



FIG. 1

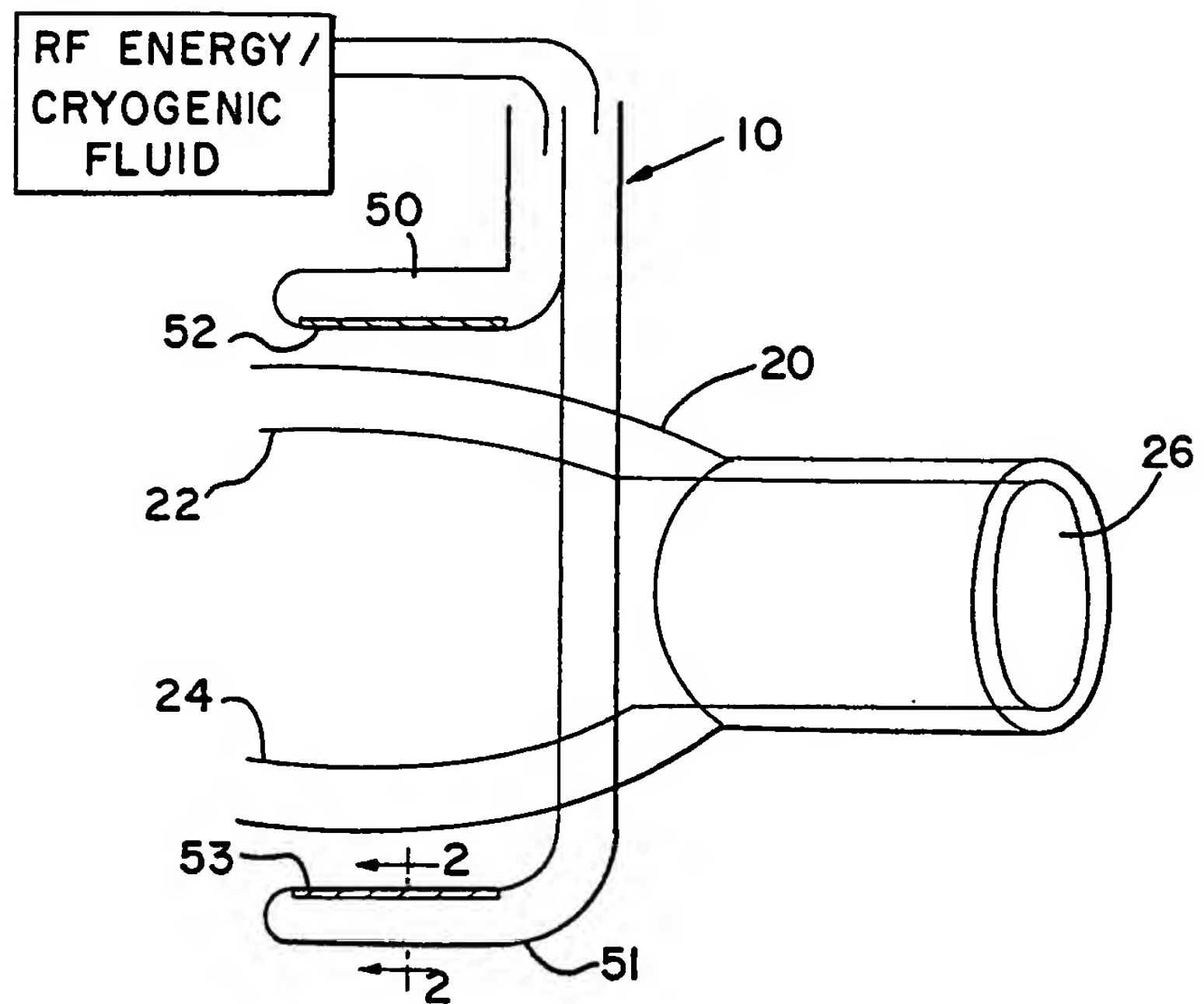


FIG. 2

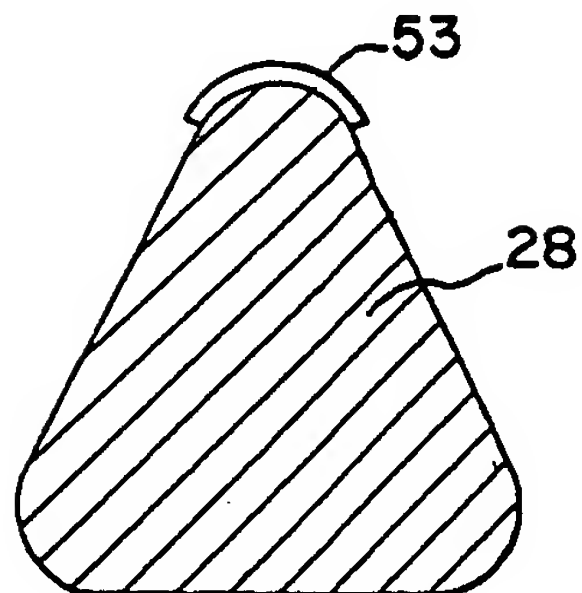


FIG. 3

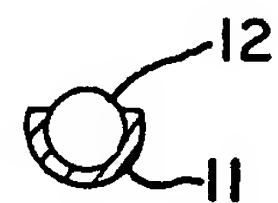


FIG. 4

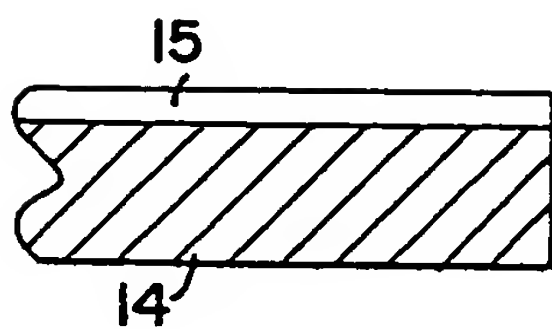


FIG. 5

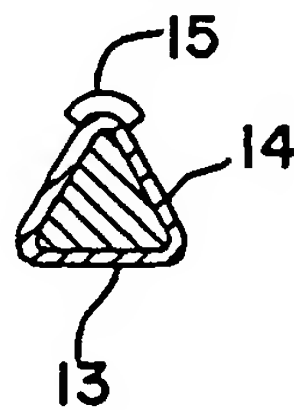


FIG. 6

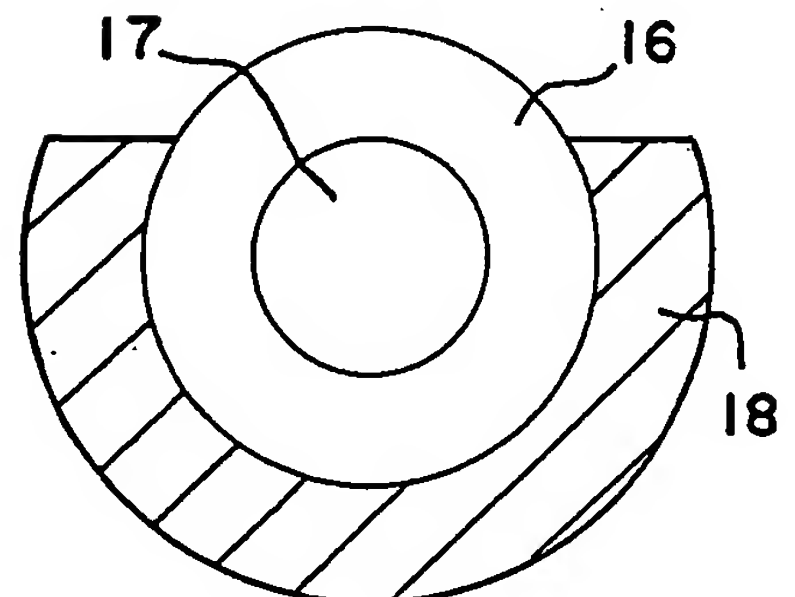




FIG. 7

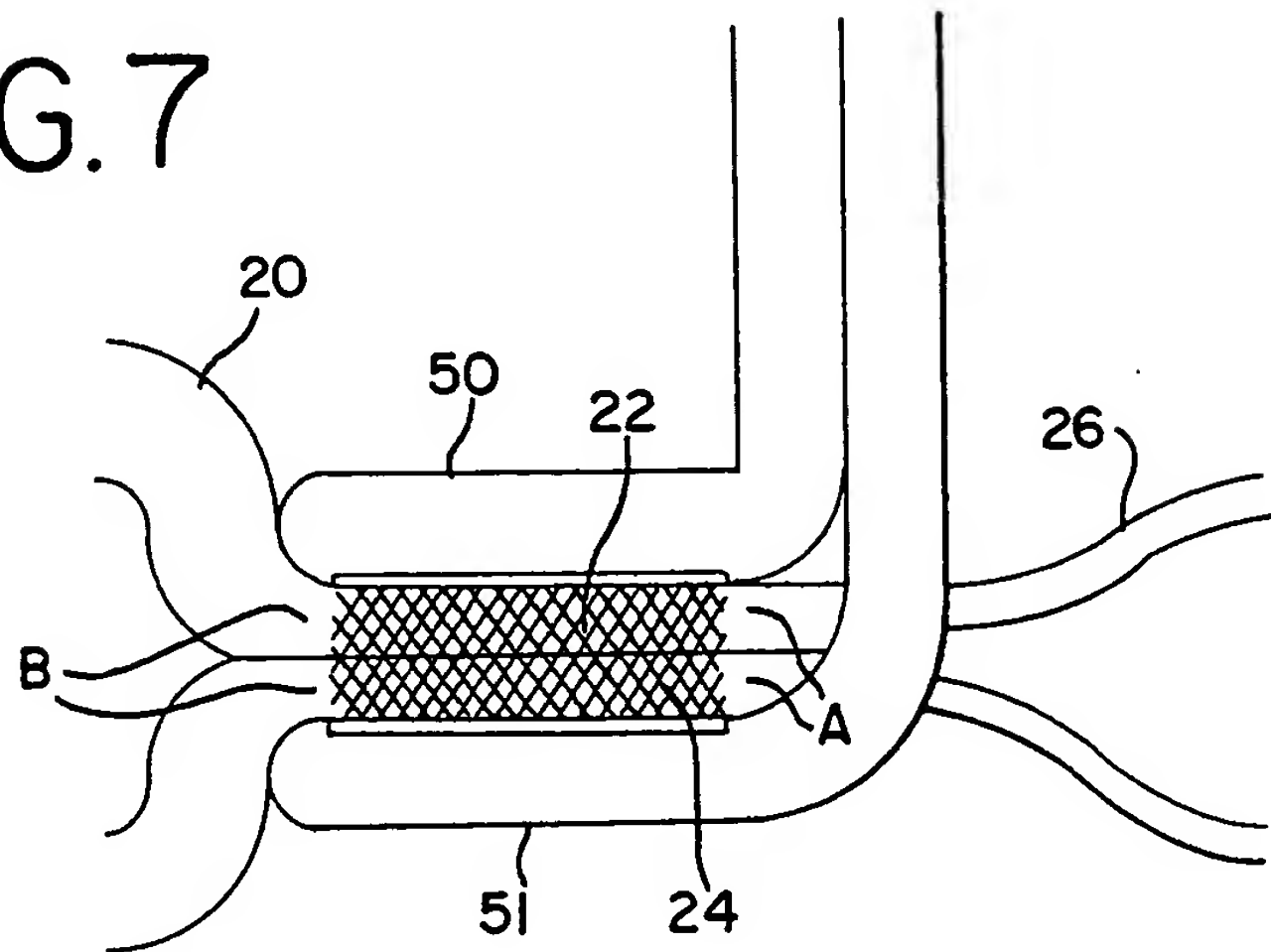


FIG. 8

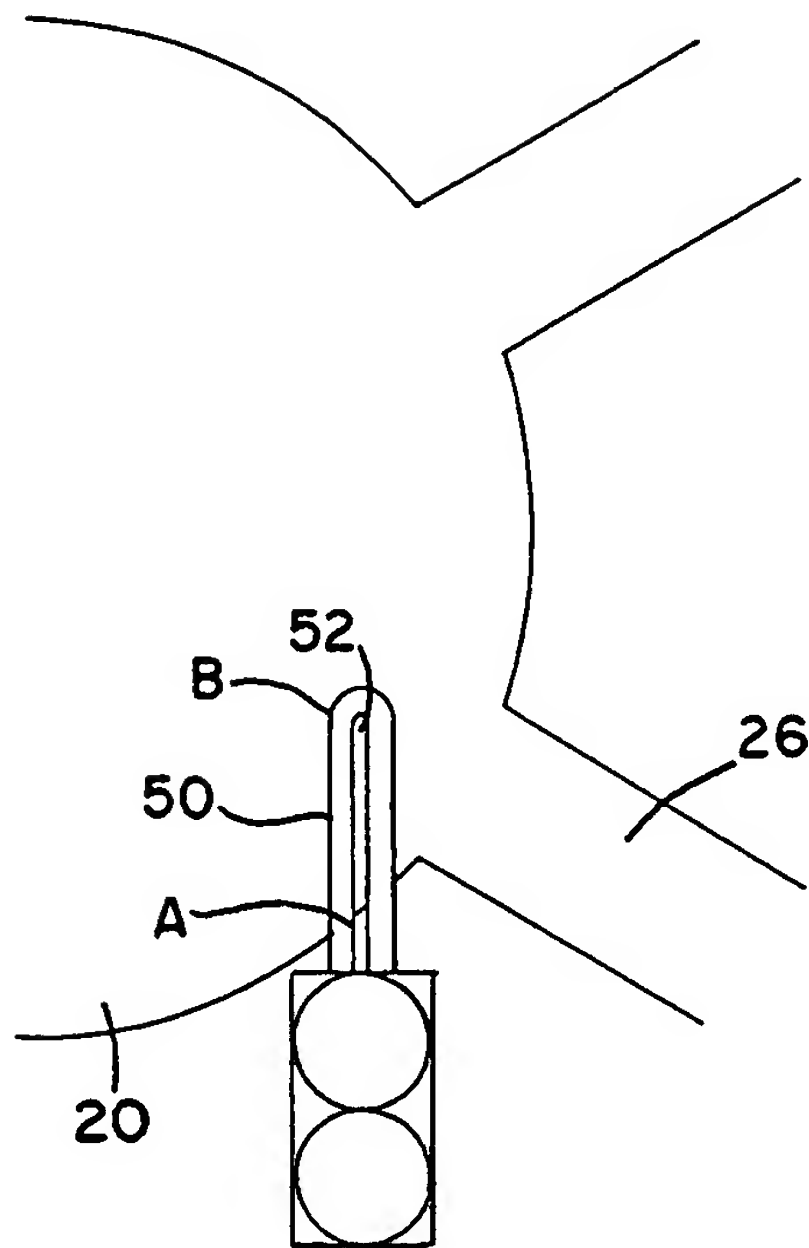


FIG. 9

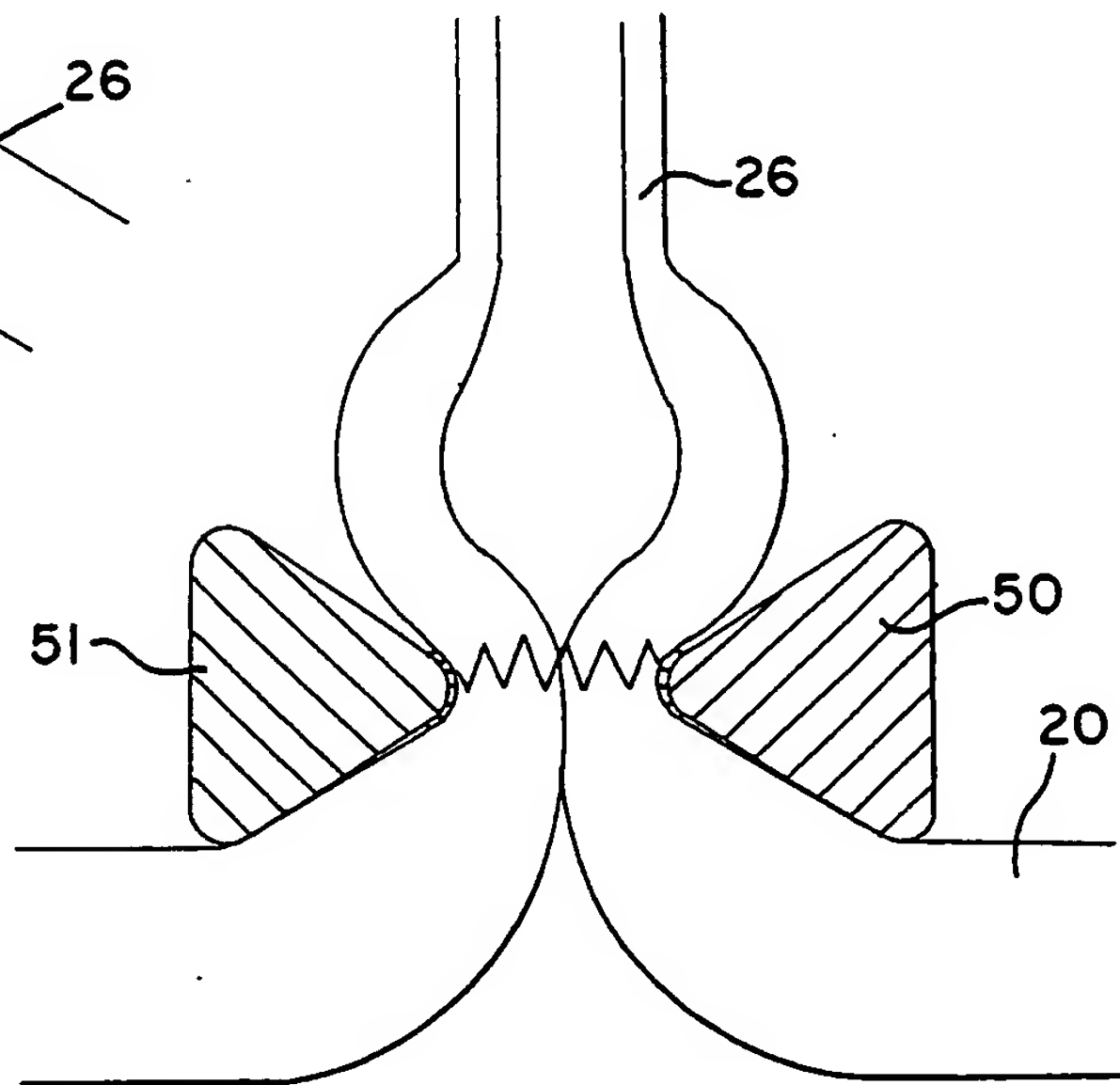




FIG.10

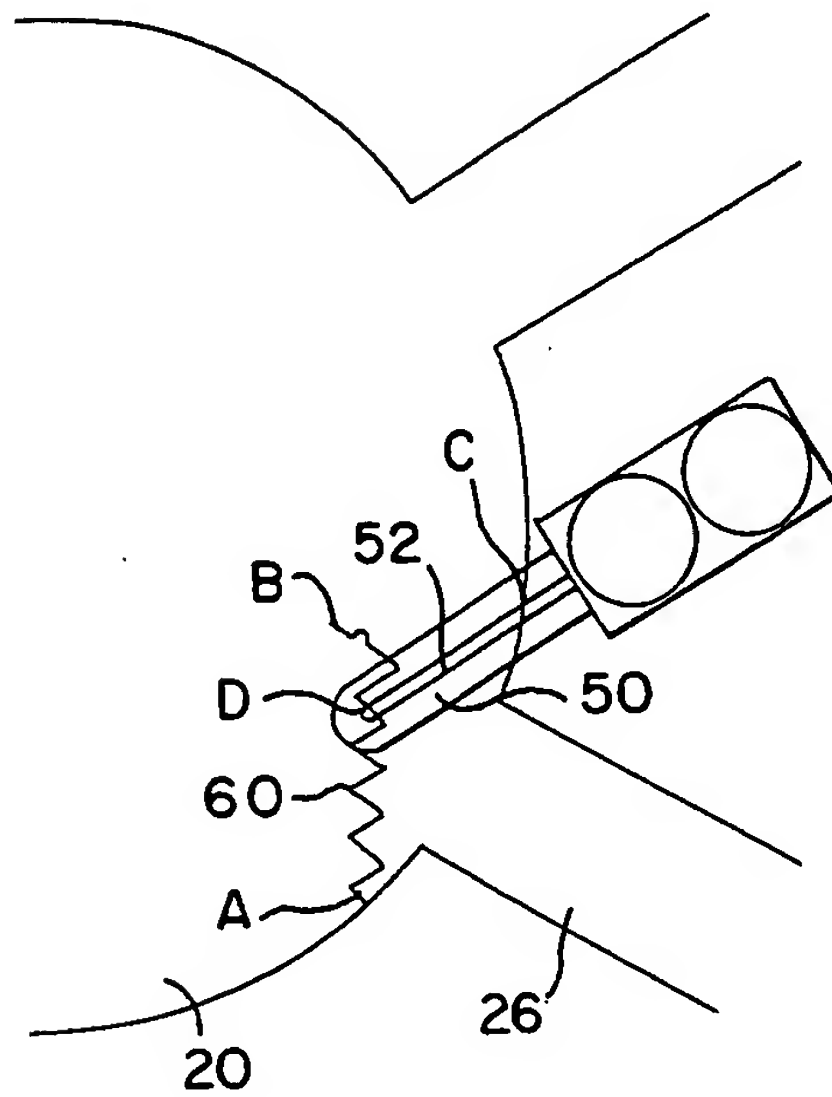


FIG.11

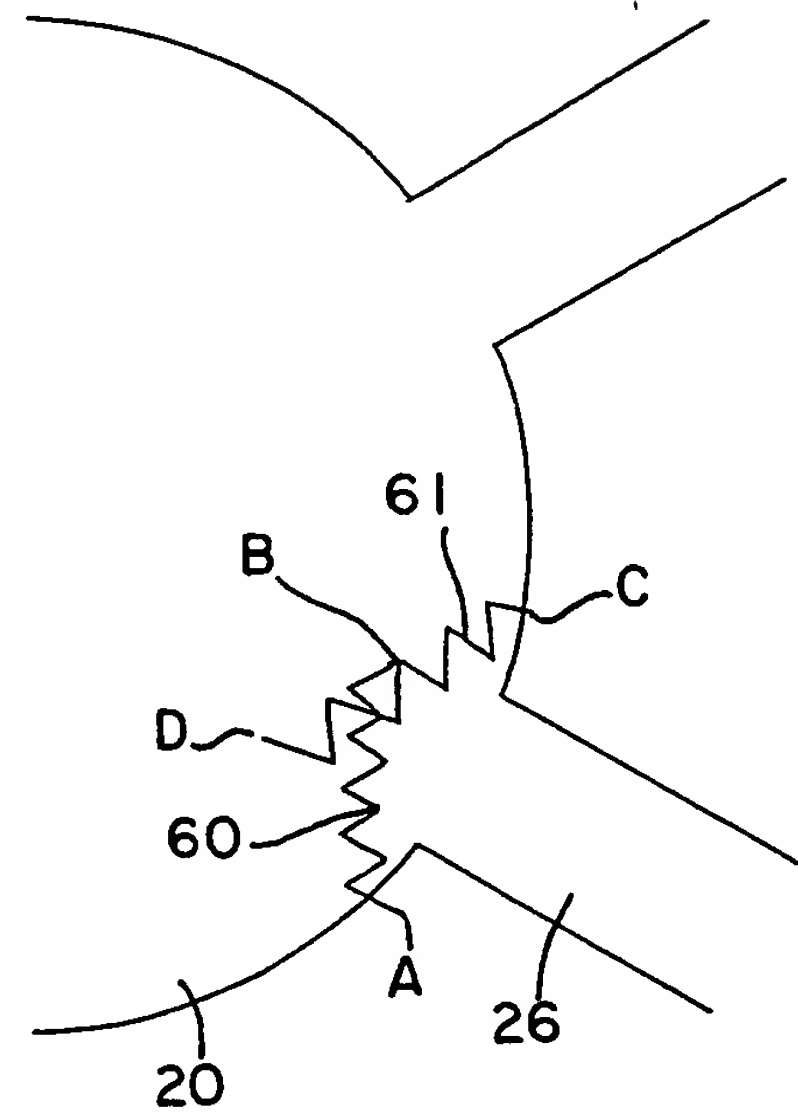


FIG.12

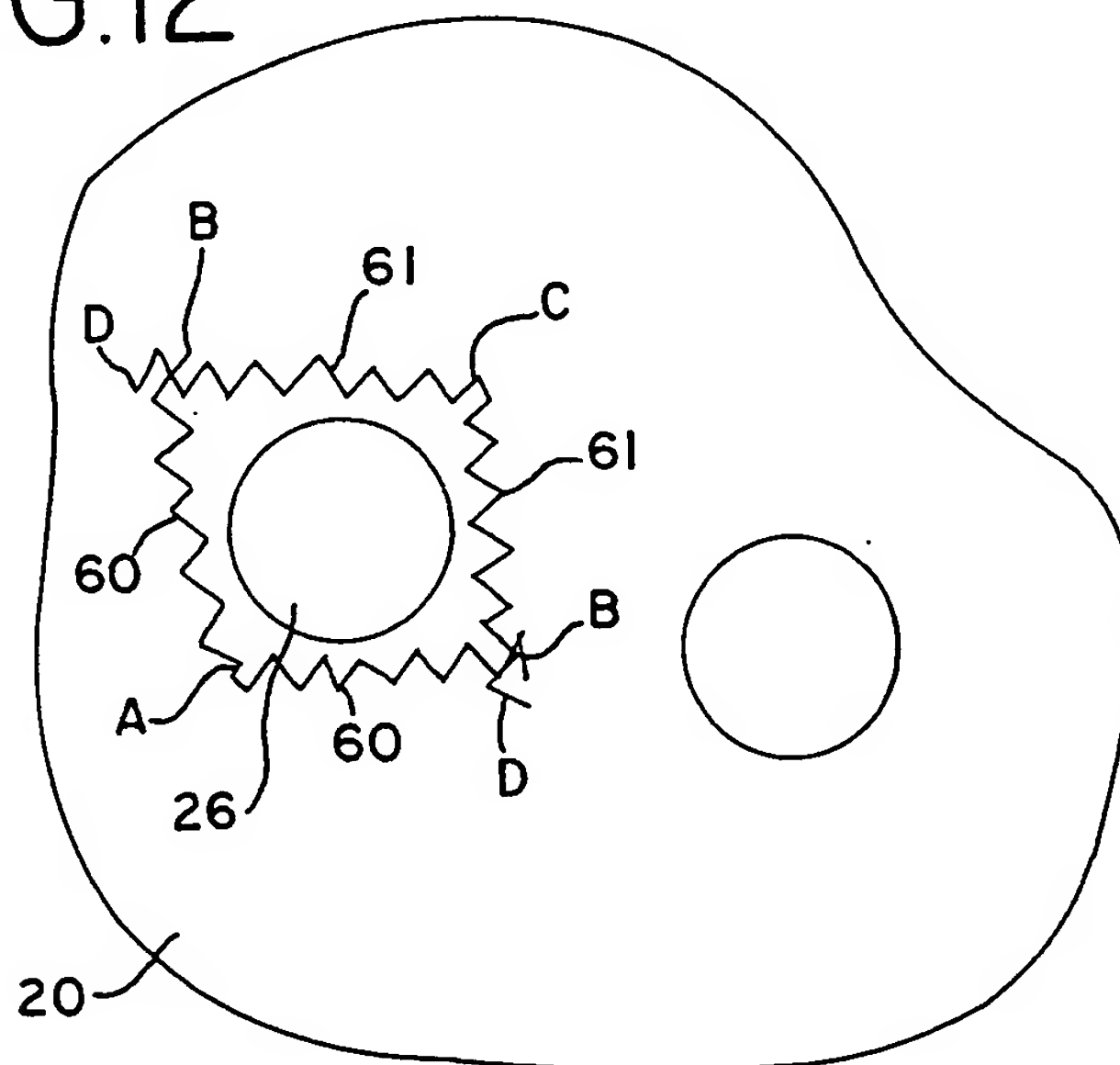




FIG. 13

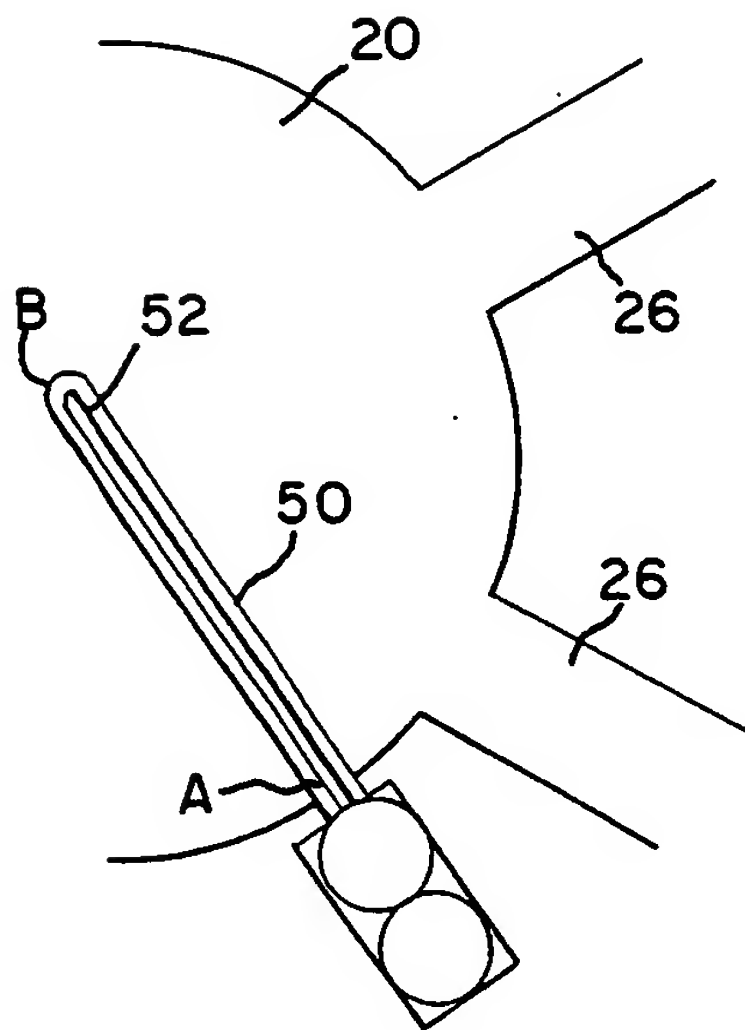


FIG. 14

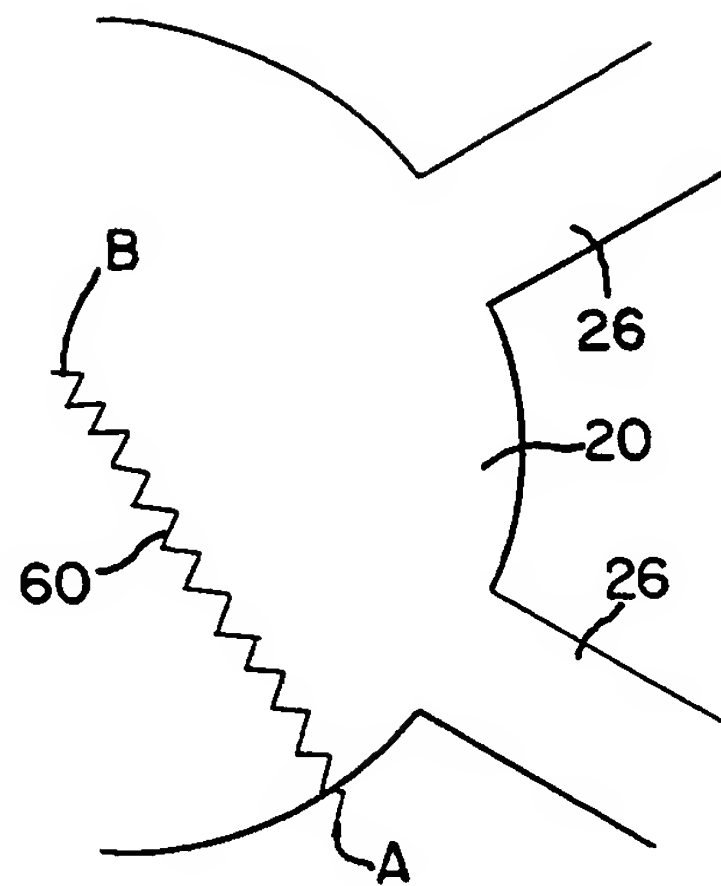


FIG. 16

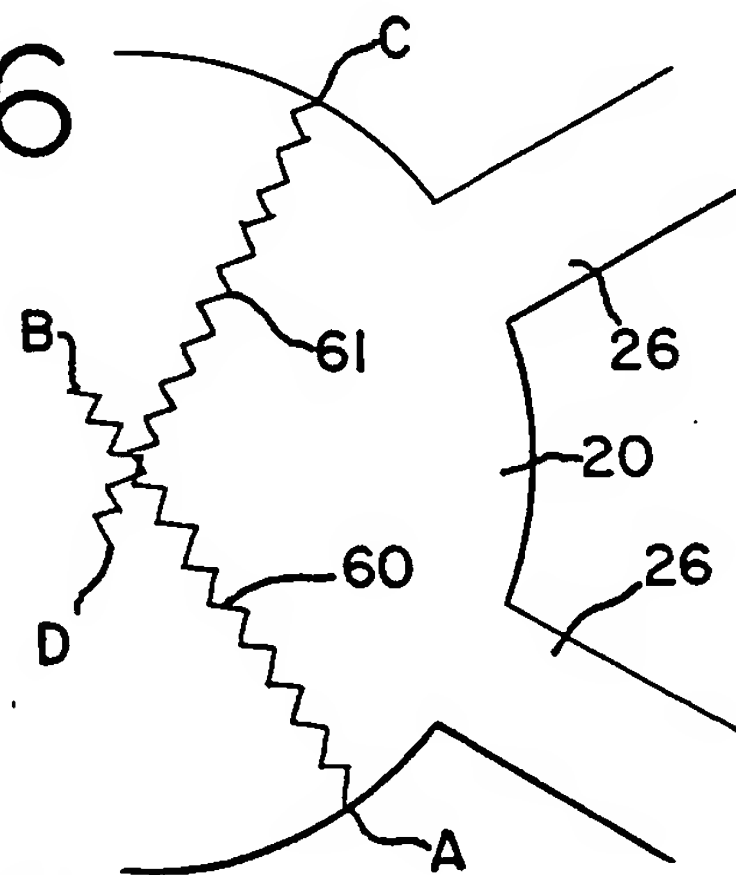


FIG. 15

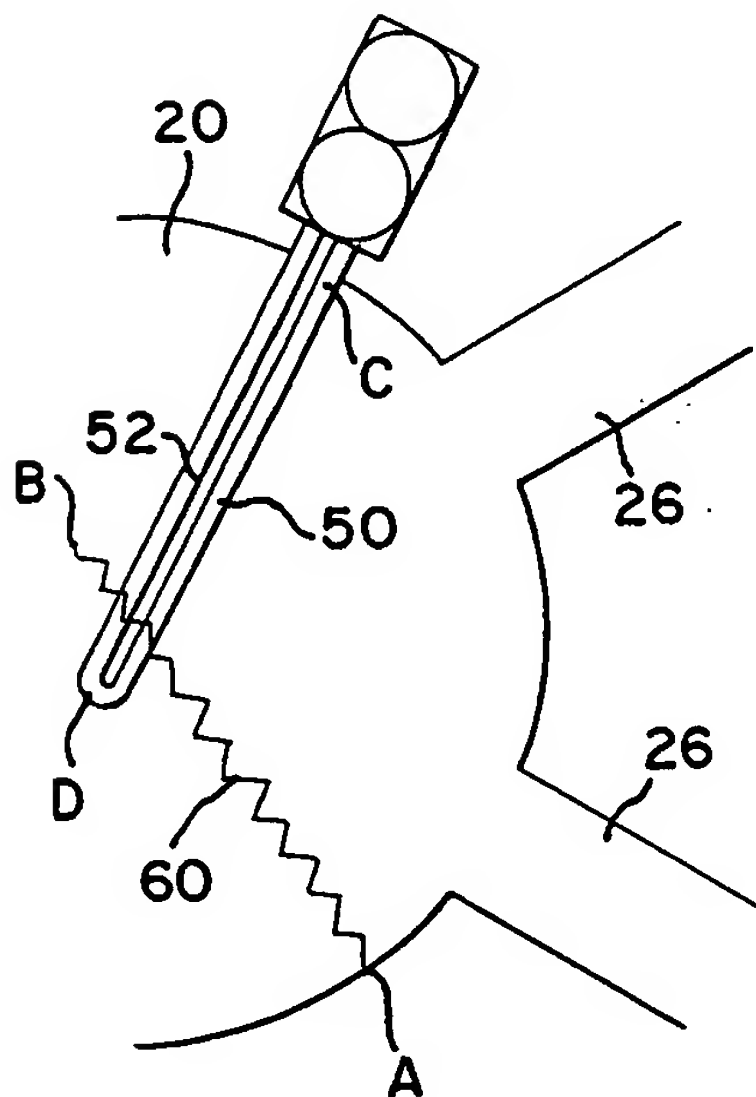


FIG. 17

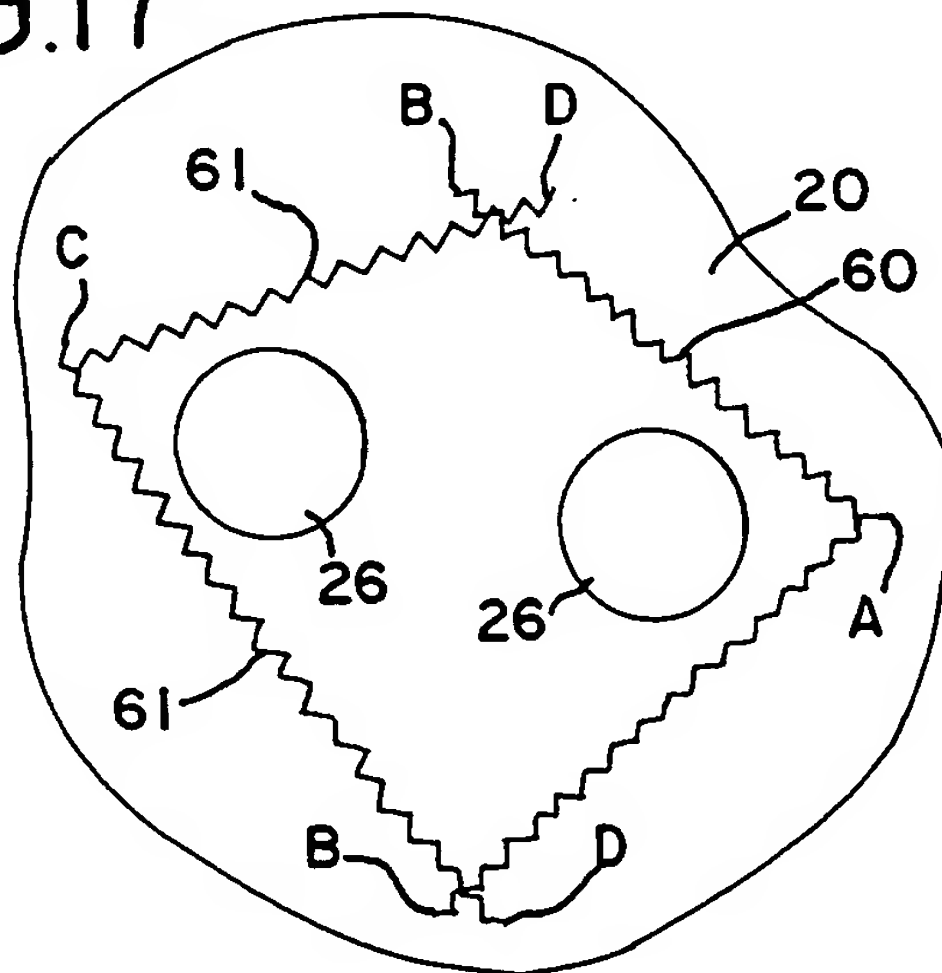




FIG. 19

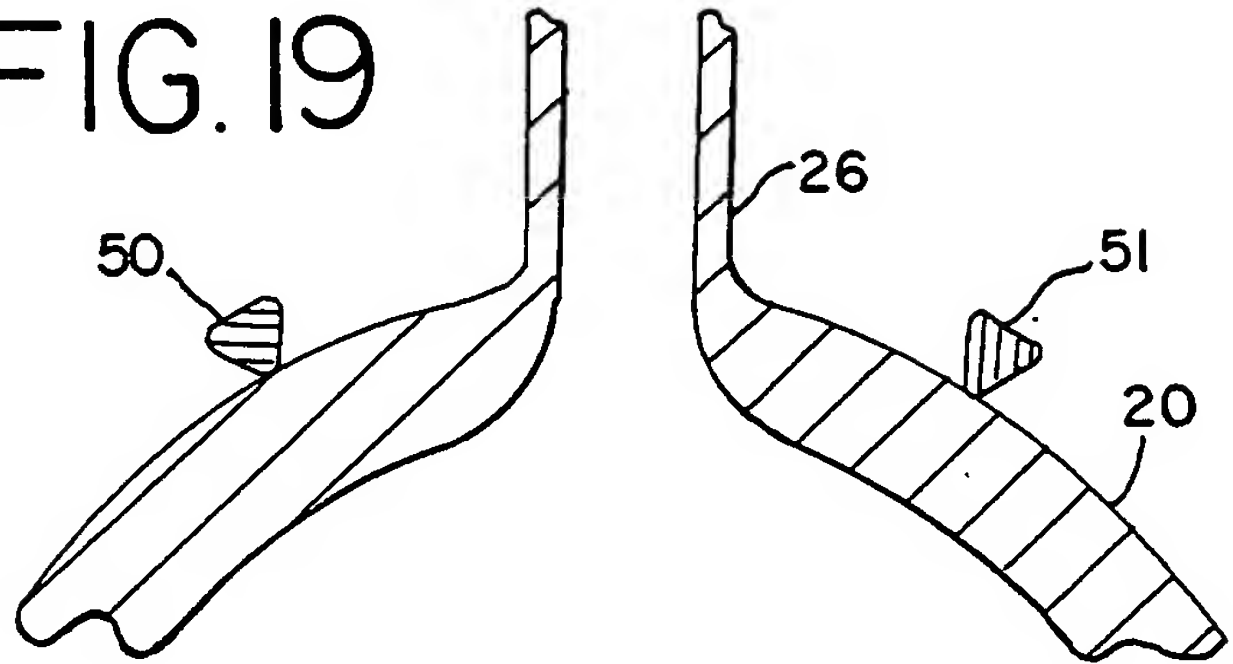


FIG. 18

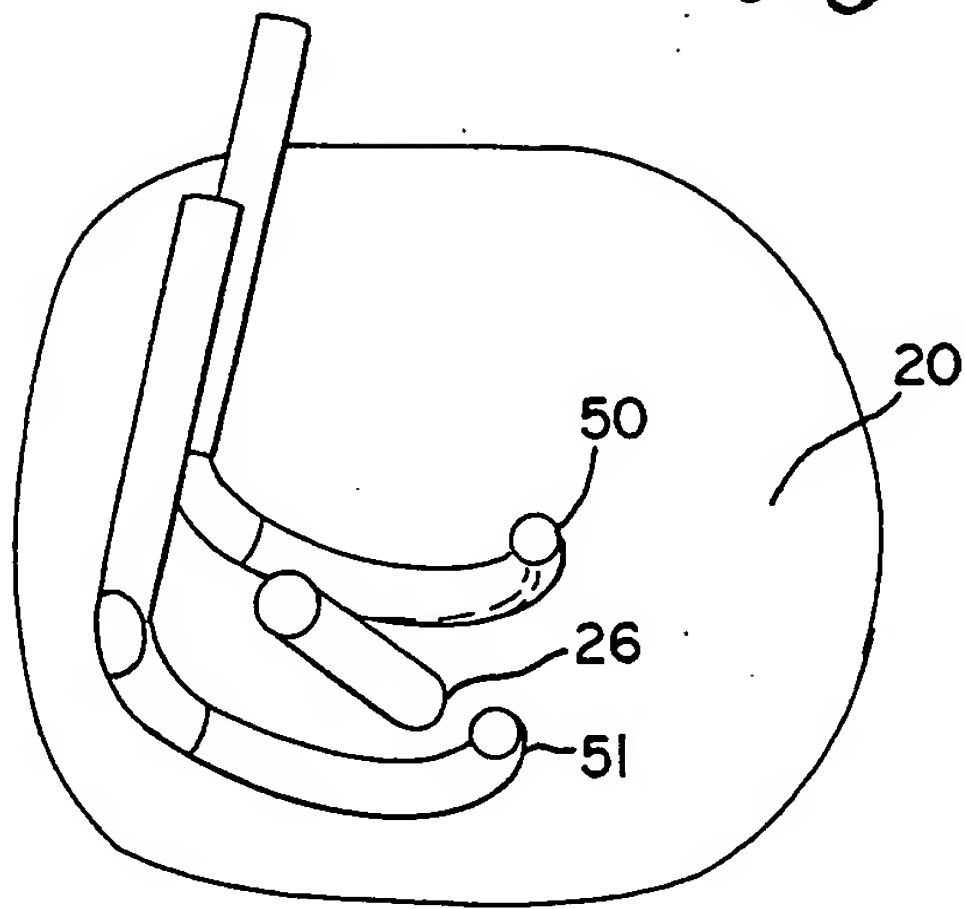


FIG. 21

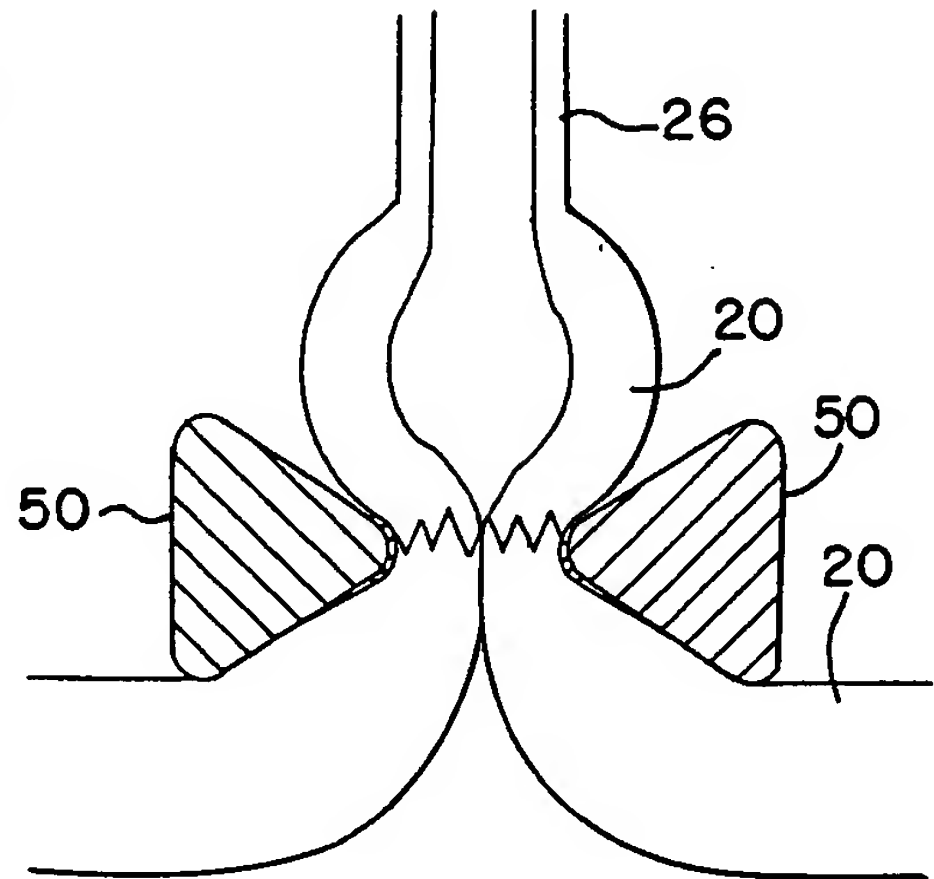


FIG. 20

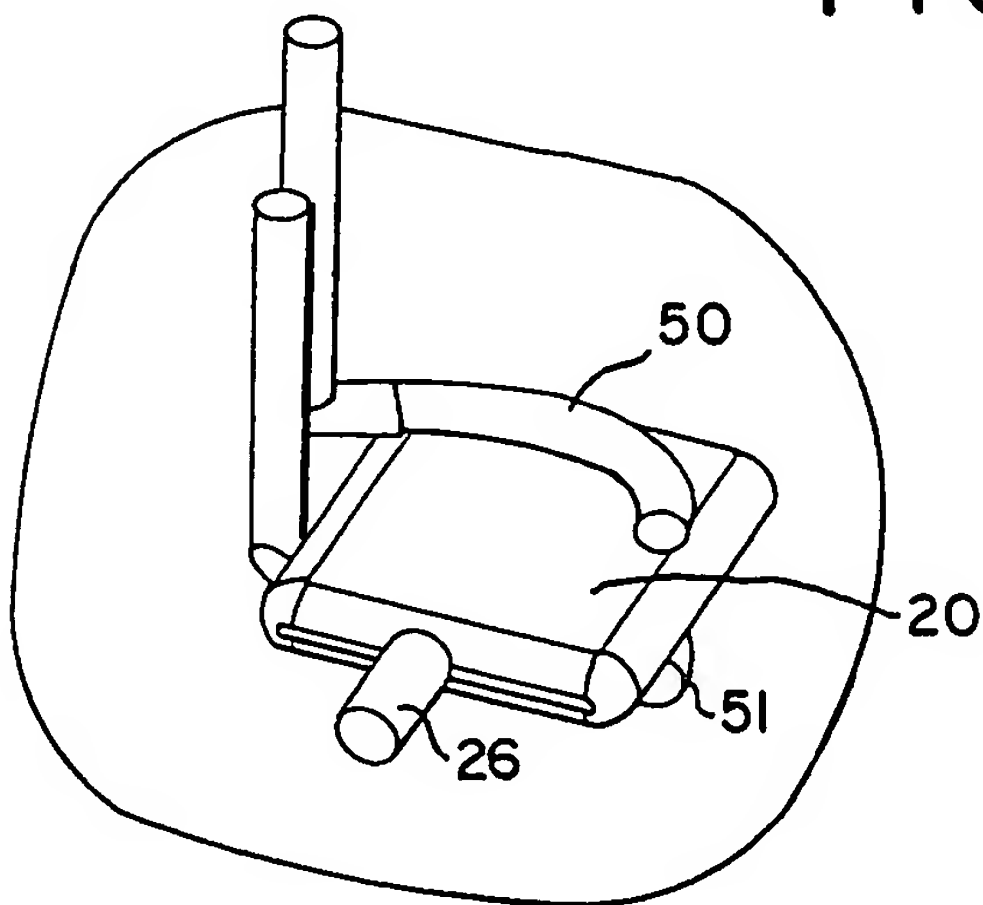


FIG. 22

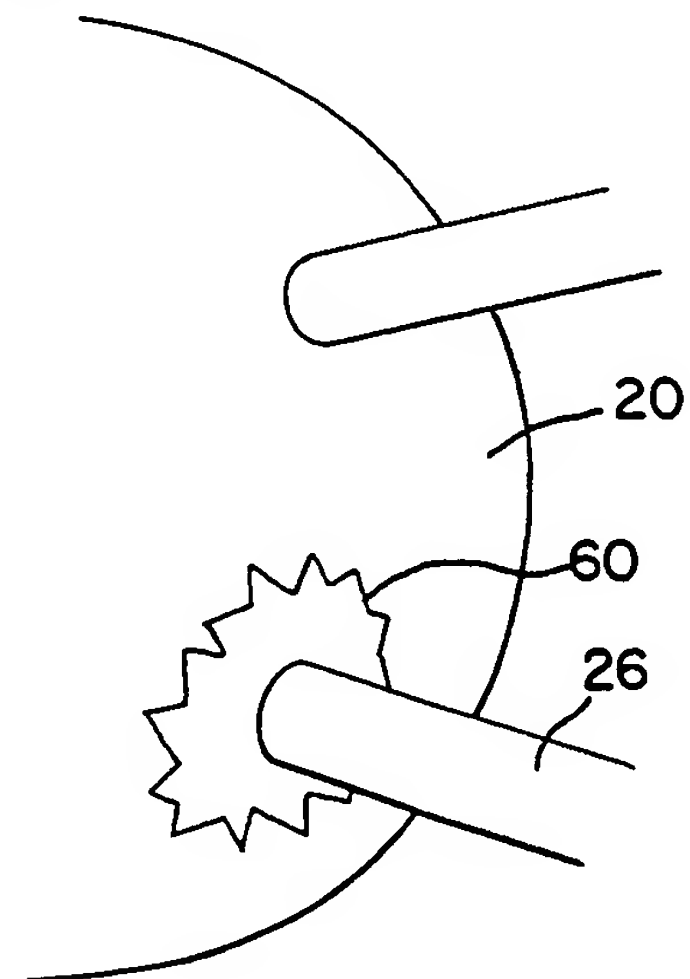




FIG.24

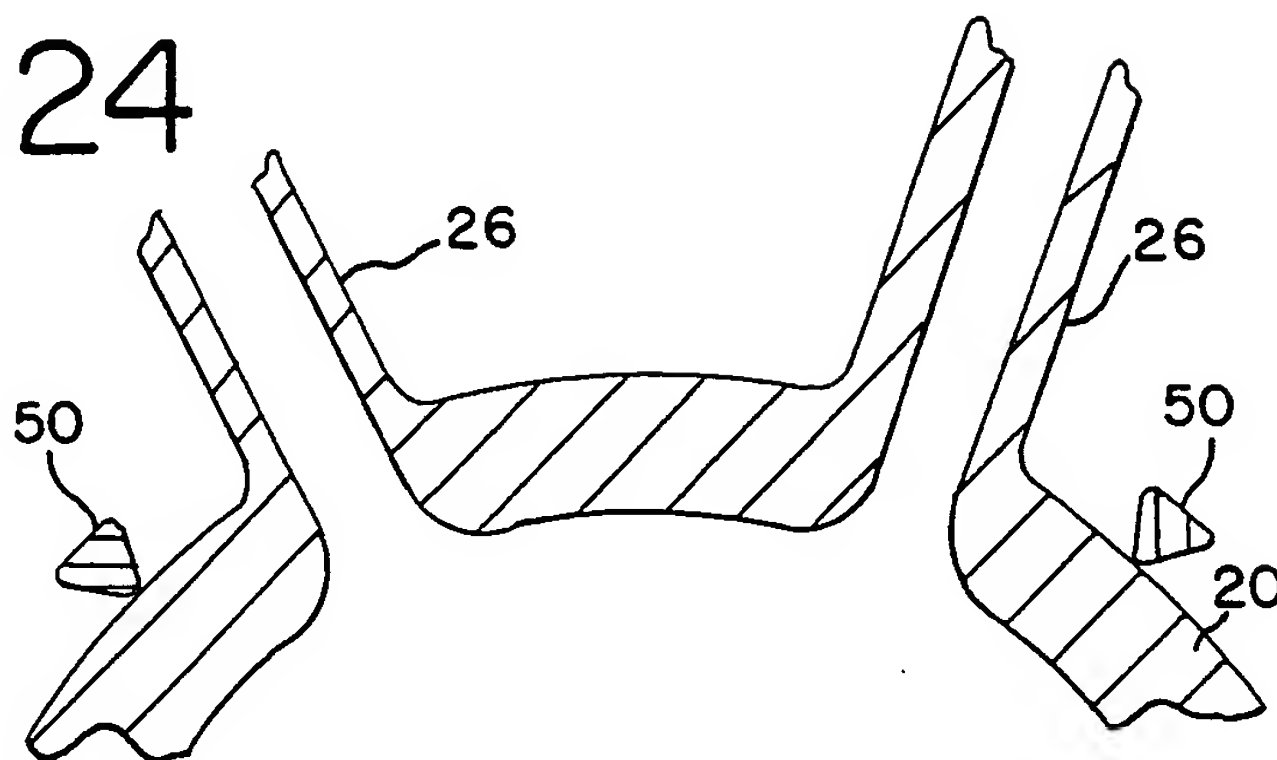


FIG.23

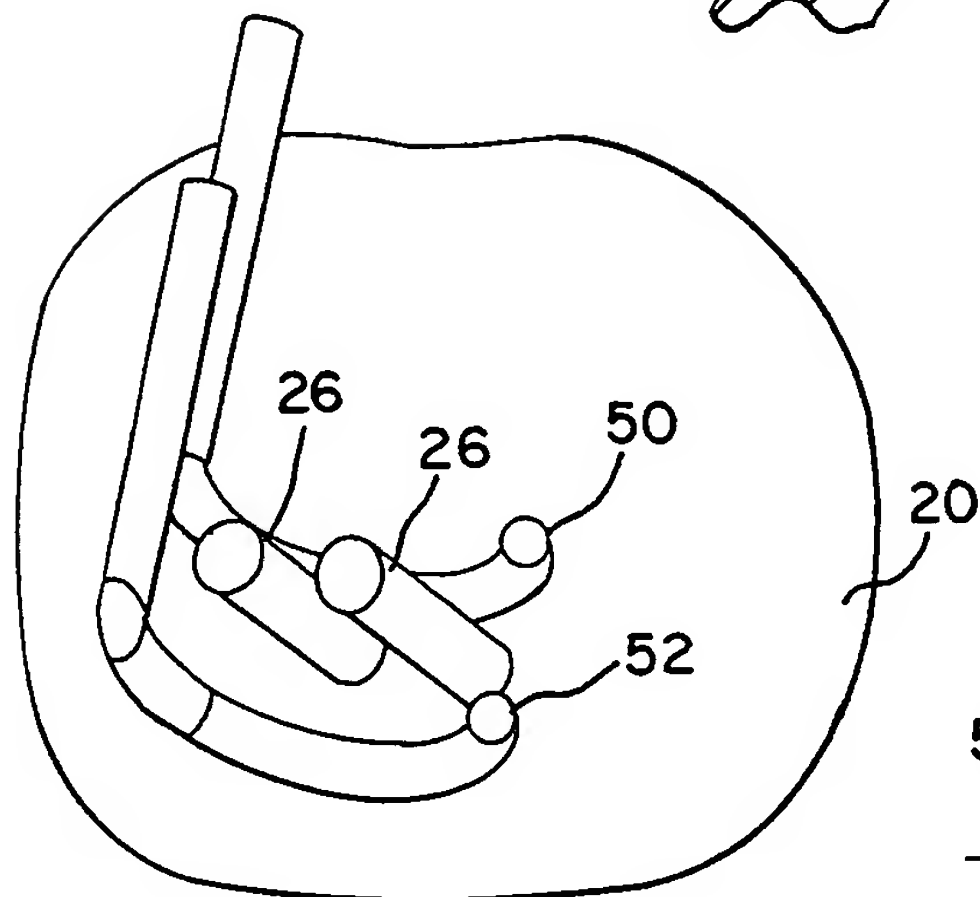


FIG.26

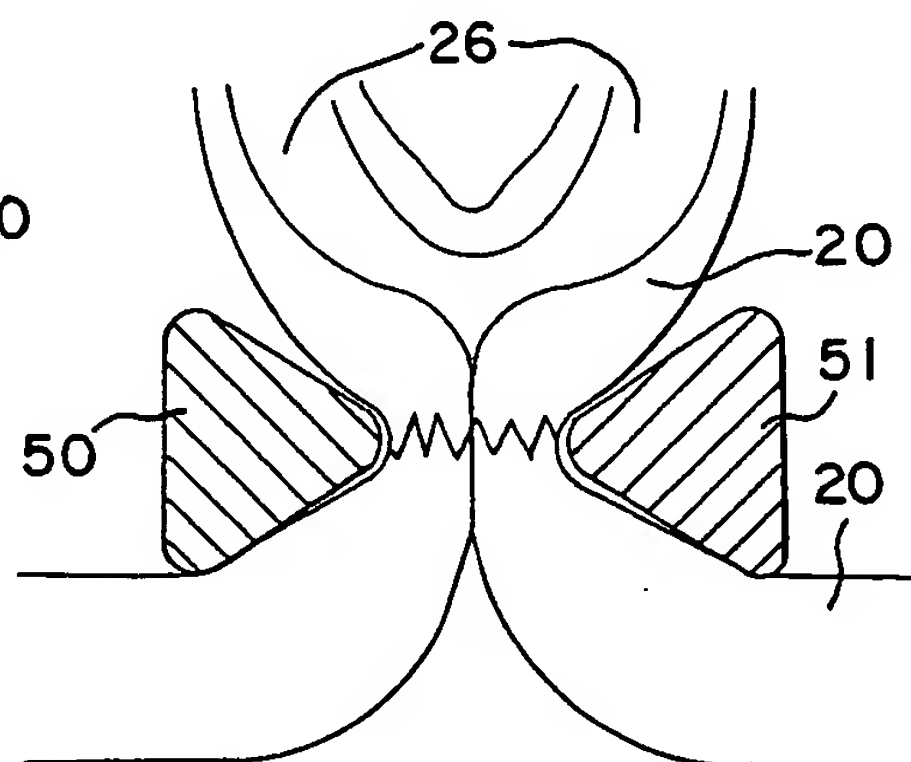


FIG.25

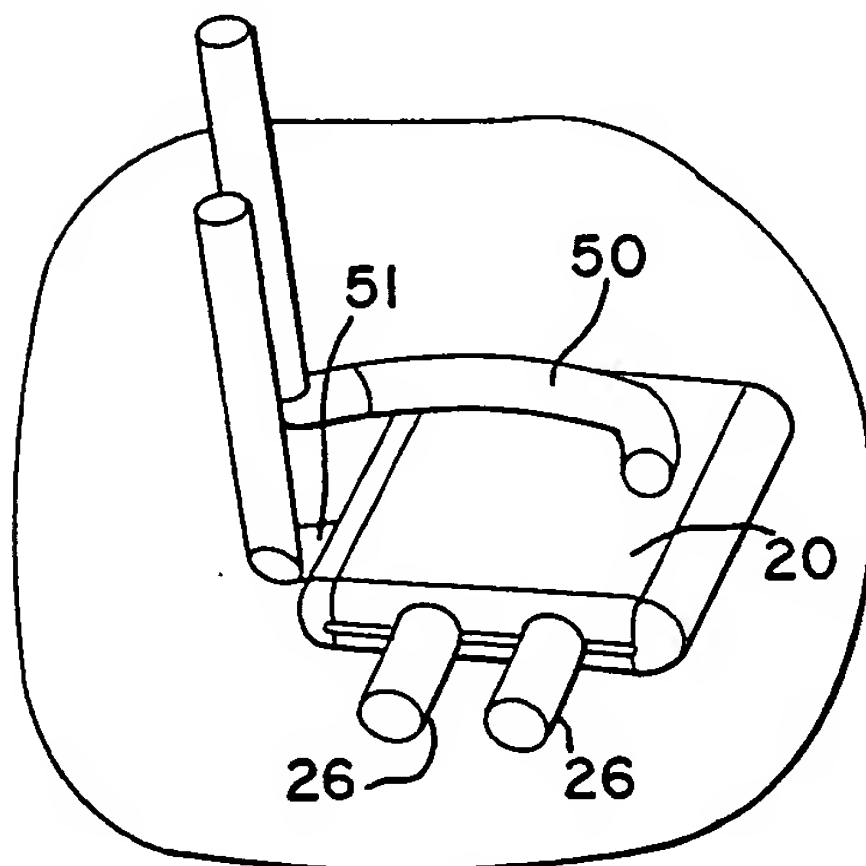
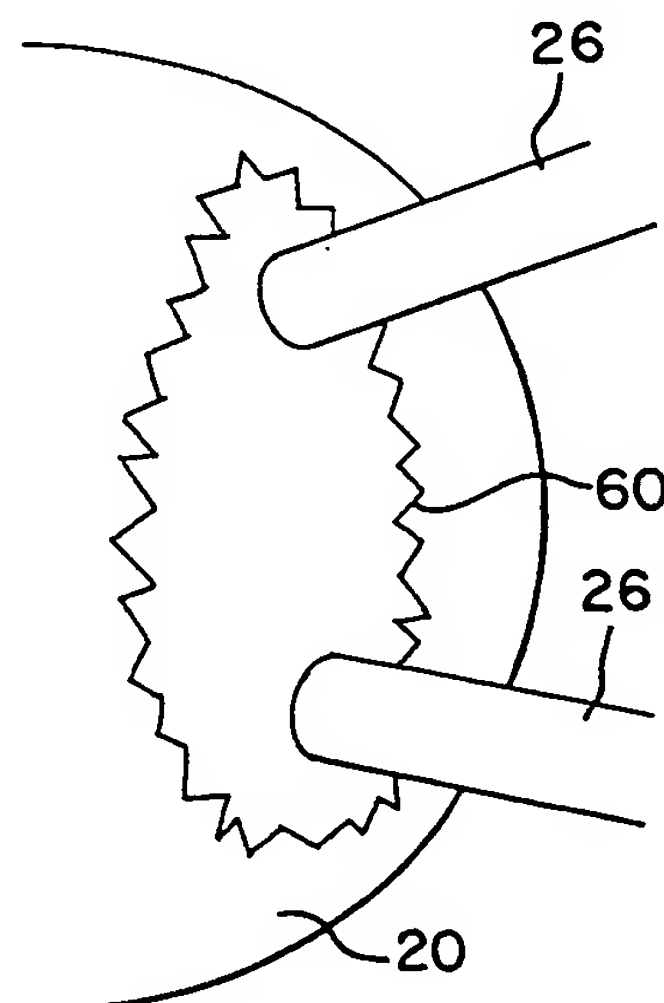
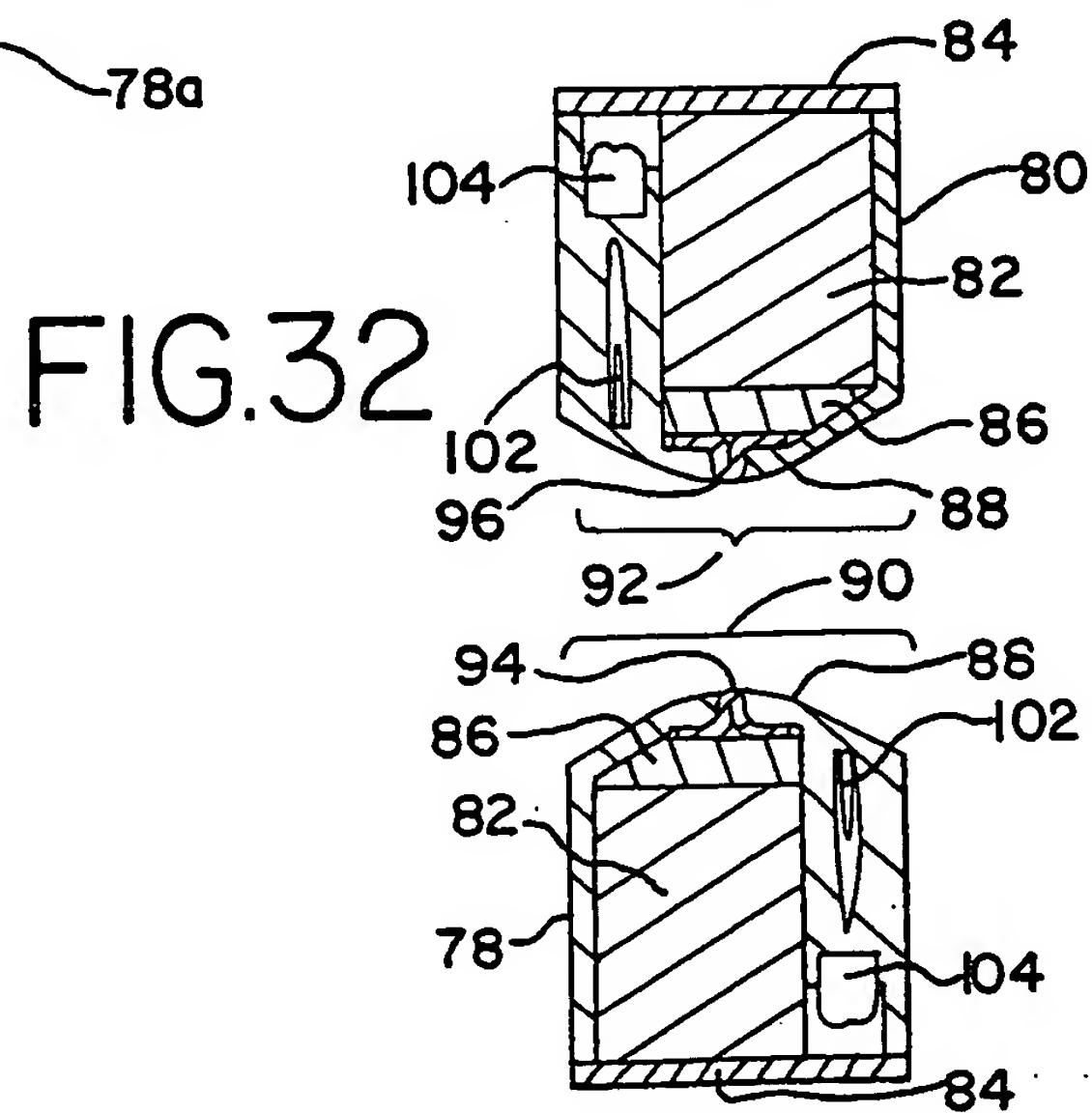
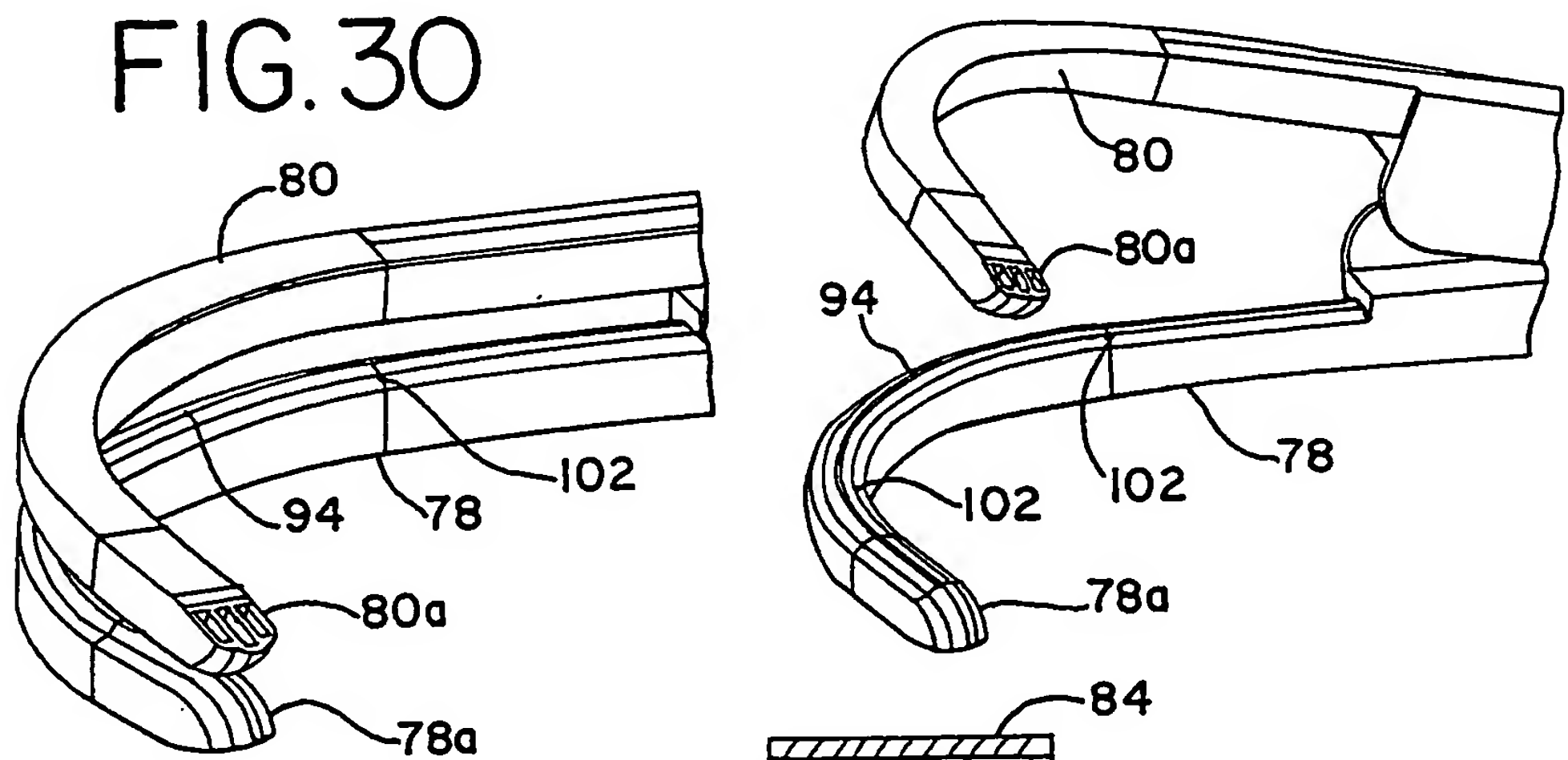
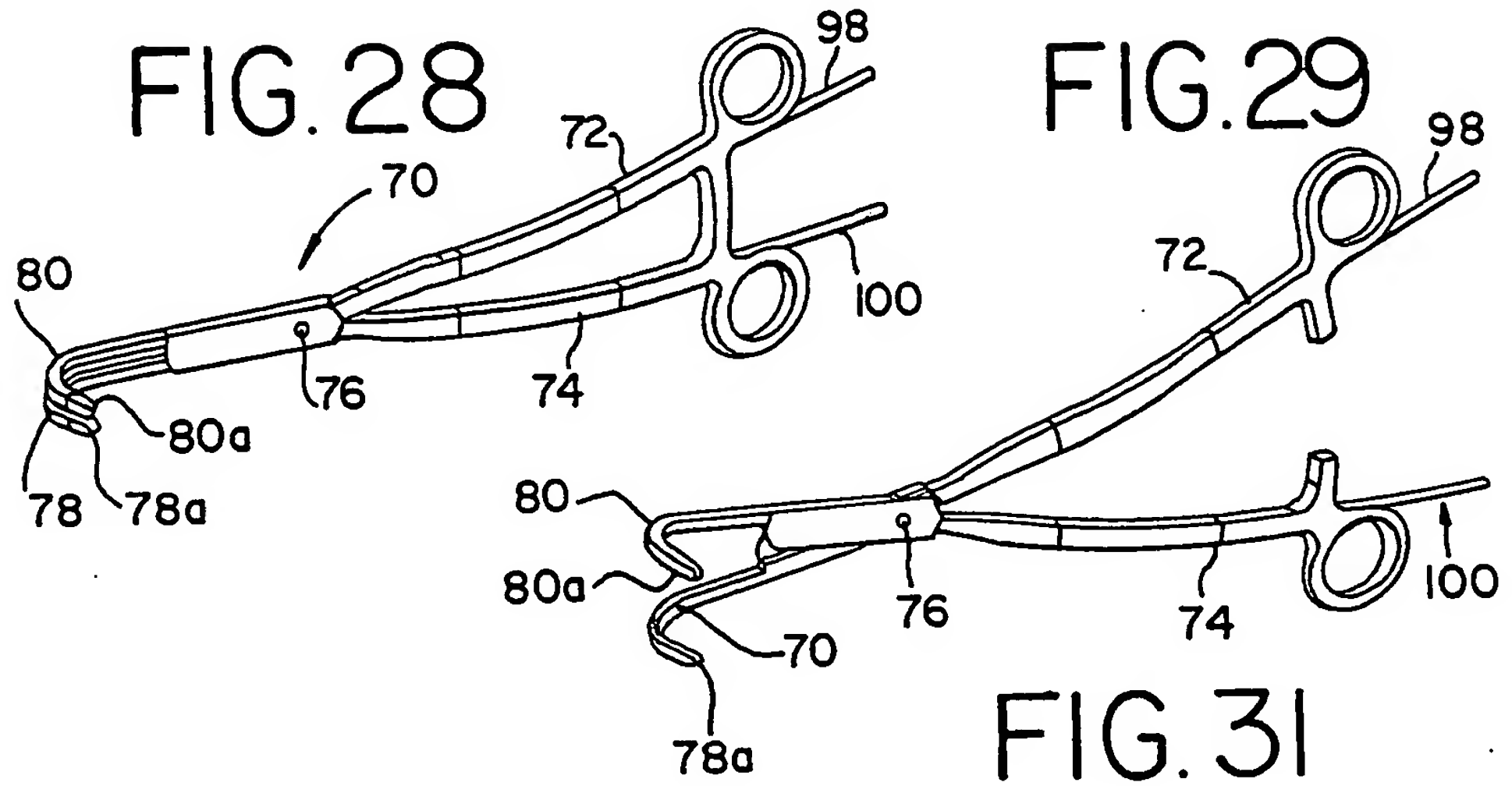


FIG.27





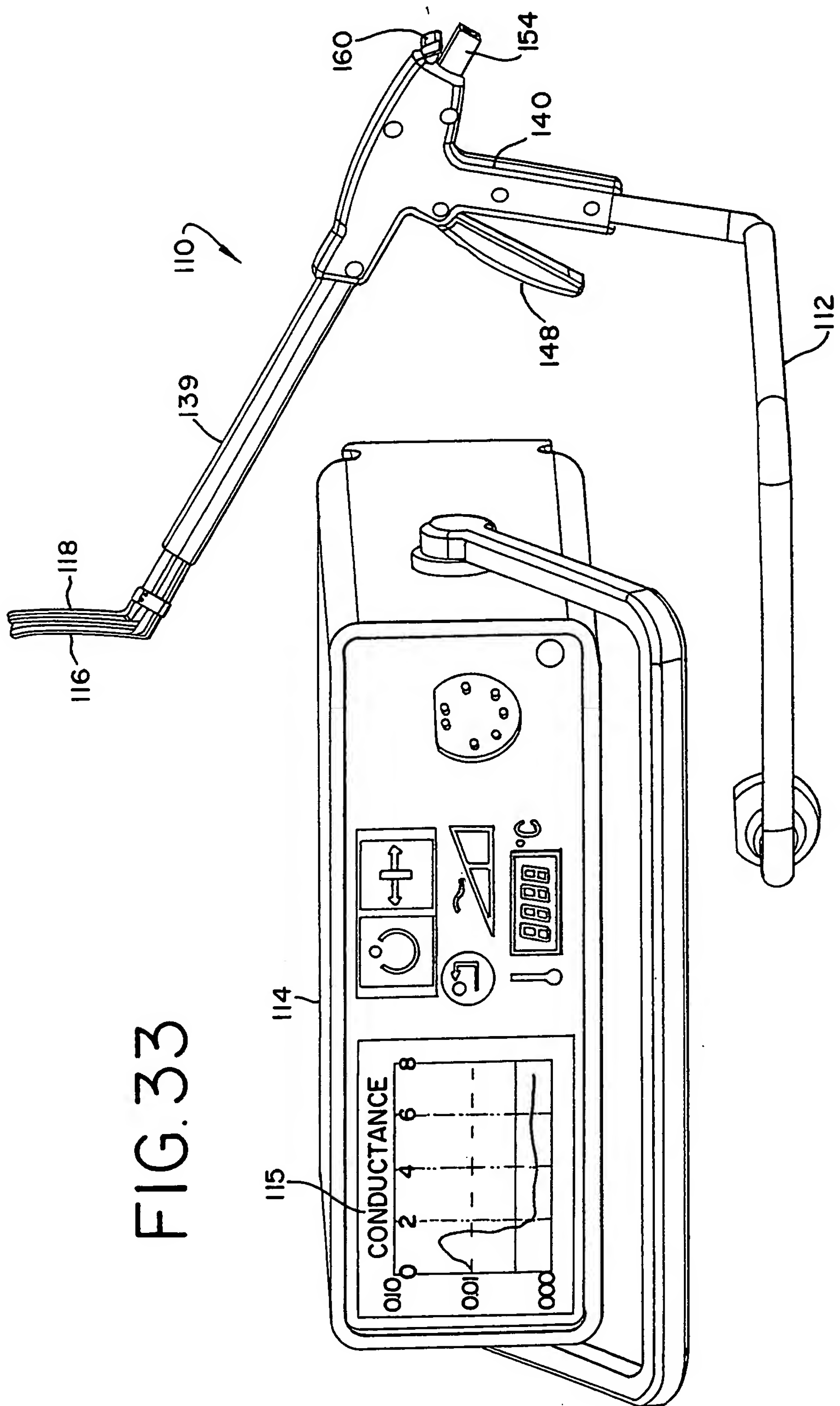
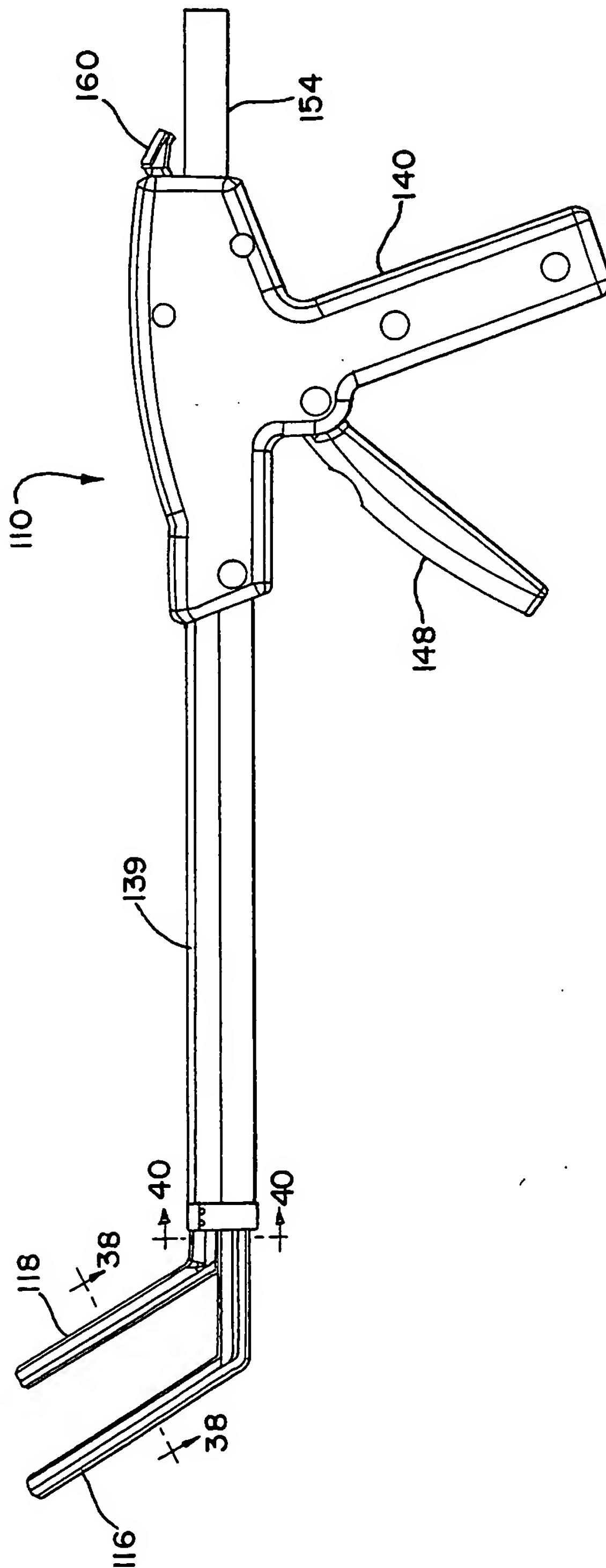


FIG. 33



FIG. 34



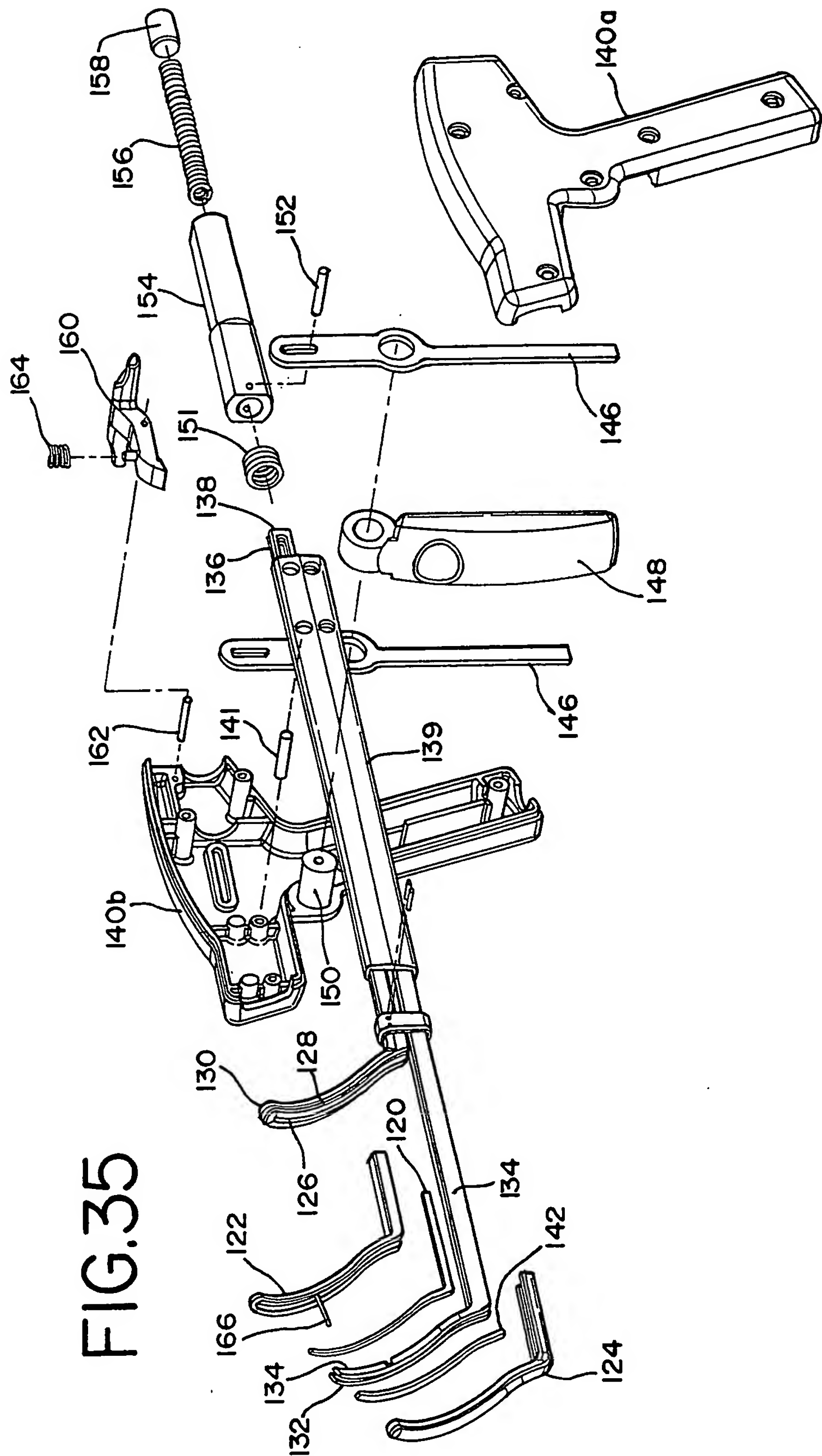


FIG. 35

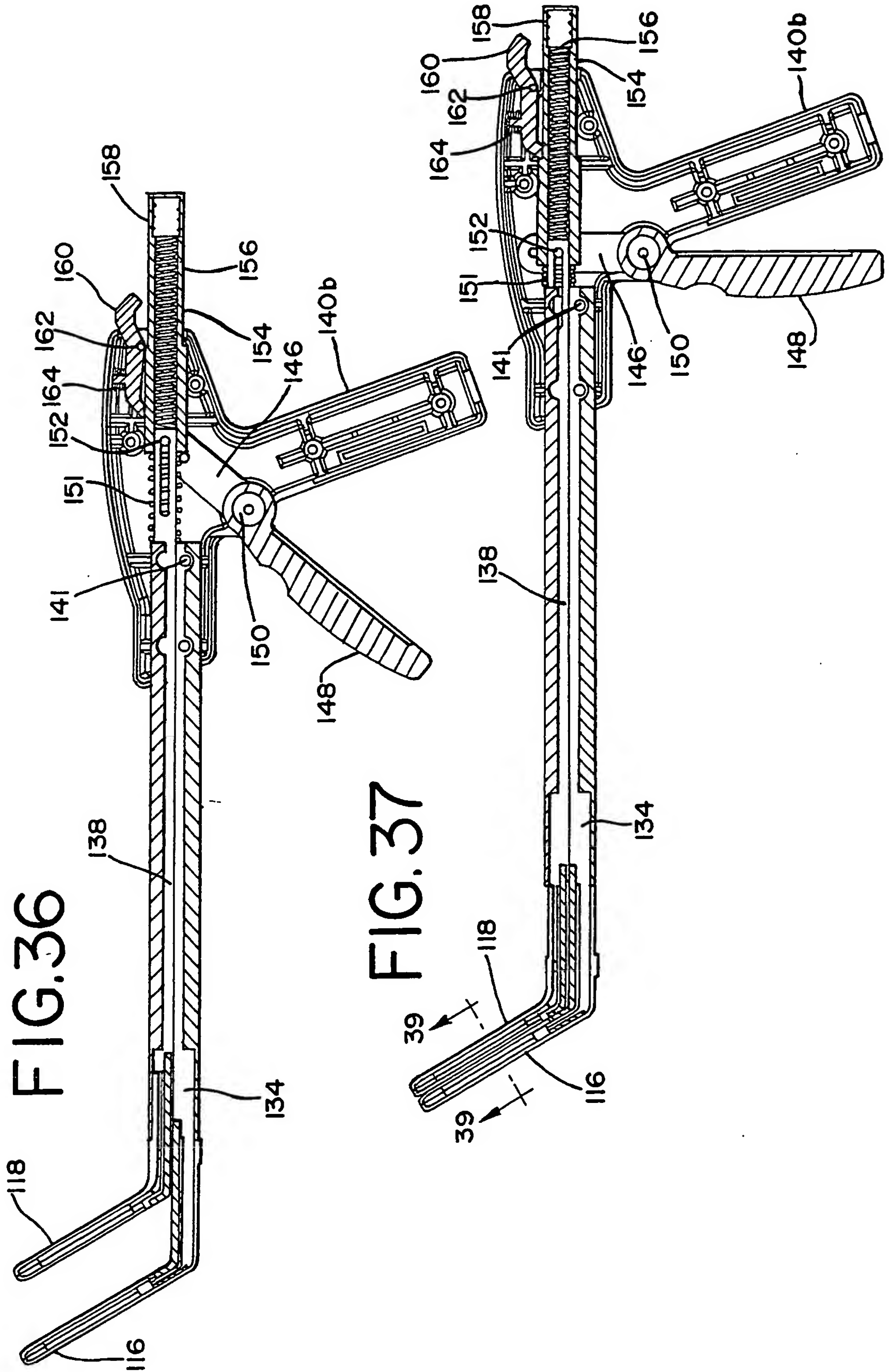




FIG.38

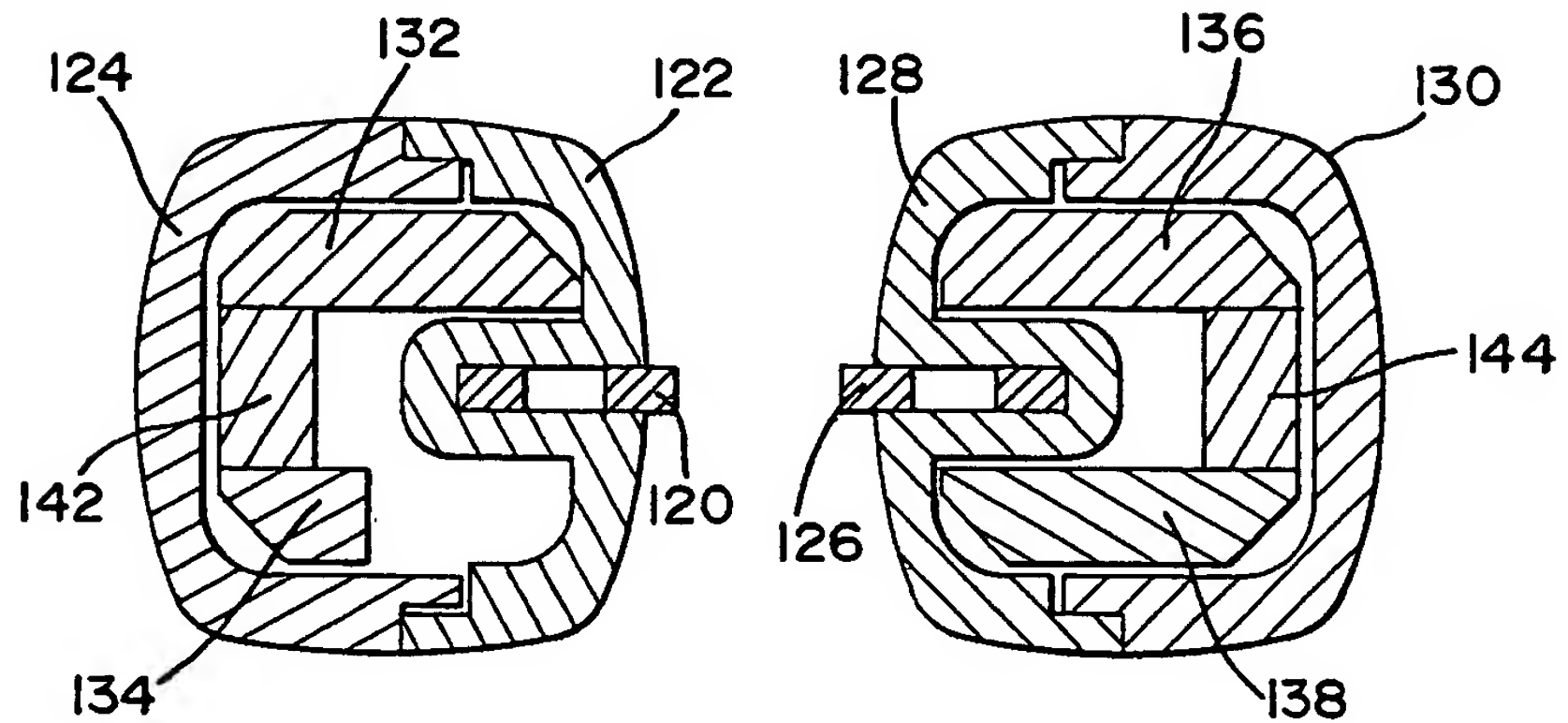


FIG.39

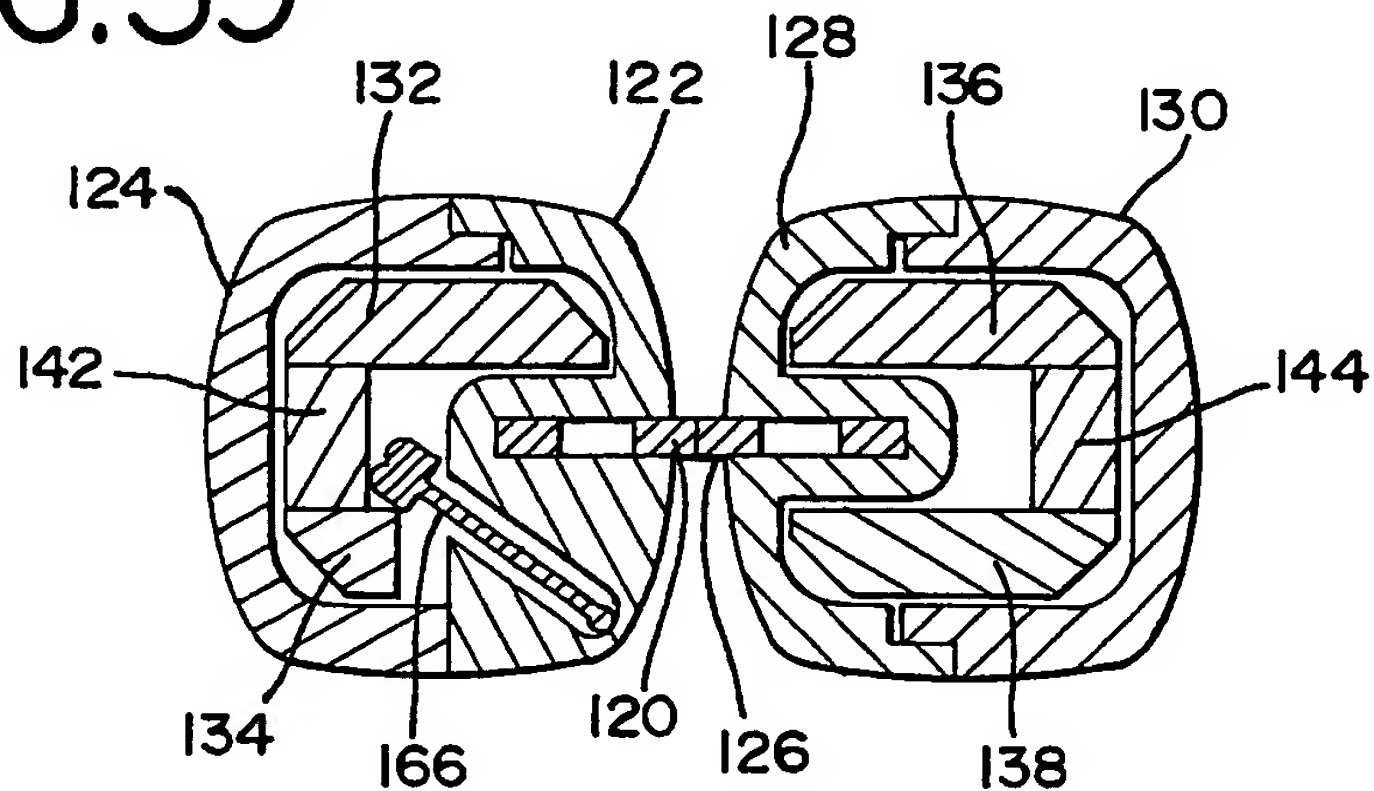


FIG.40

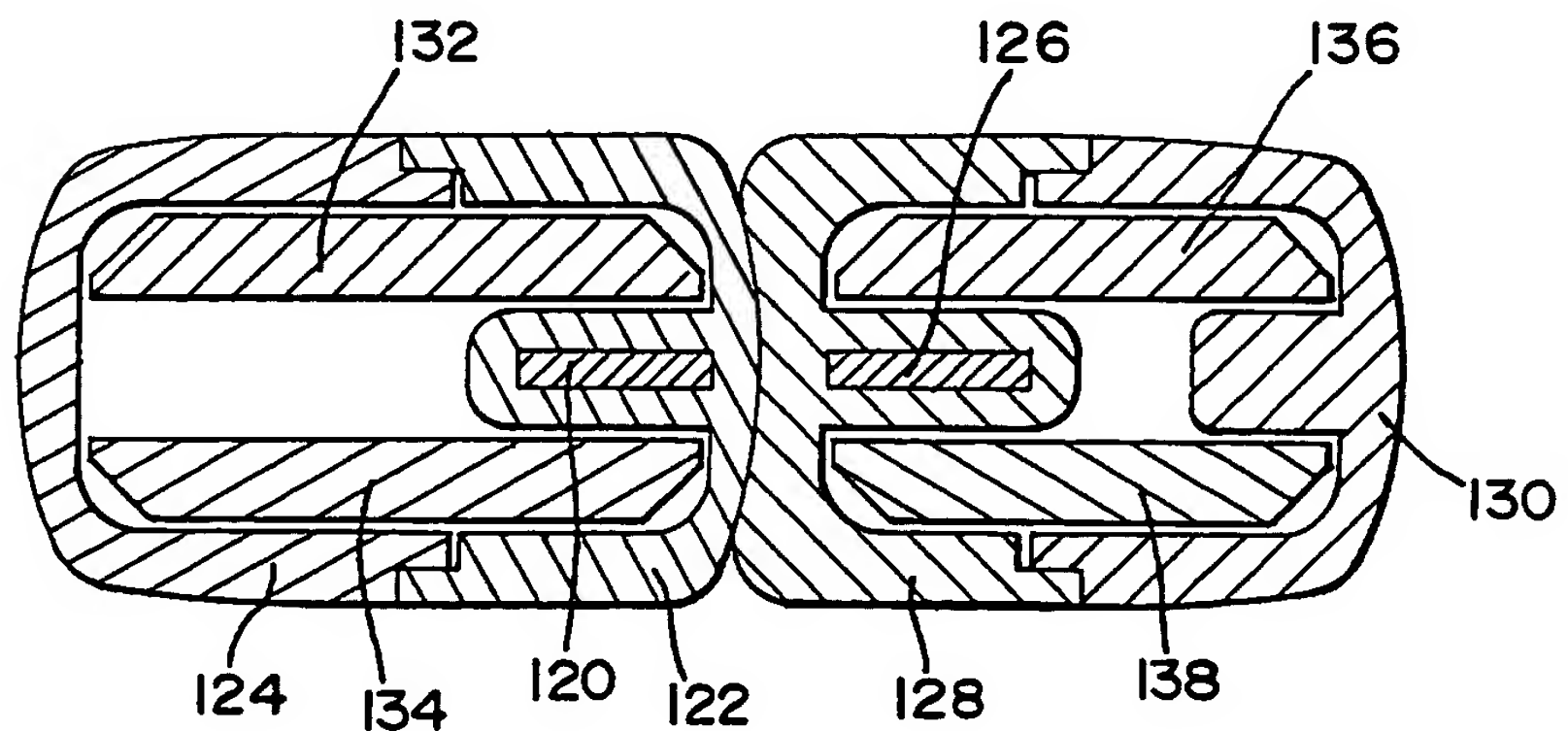




FIG.41

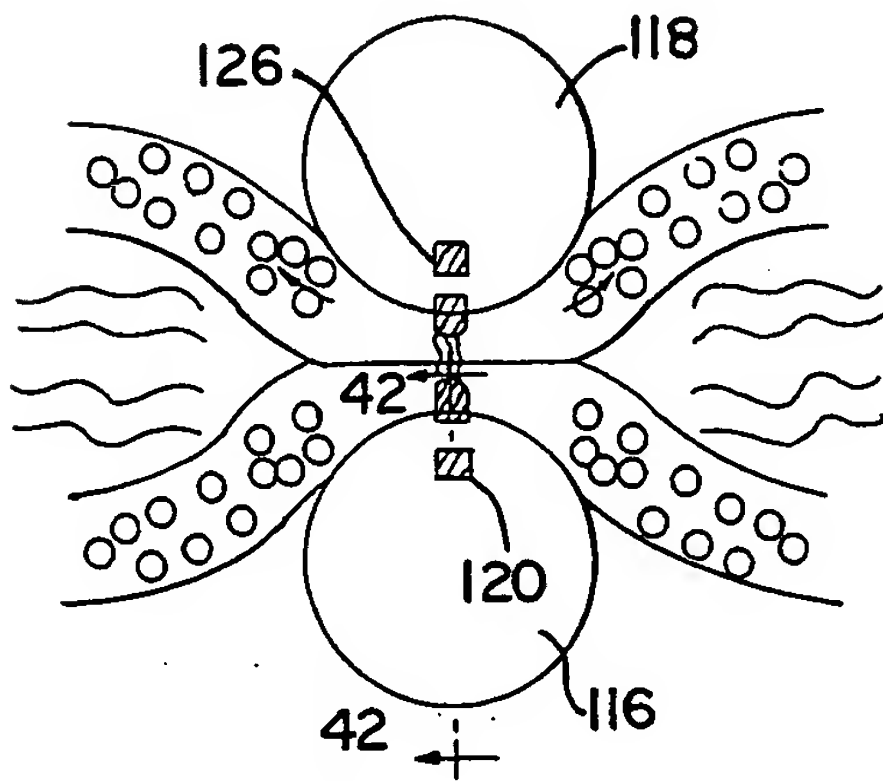


FIG.42

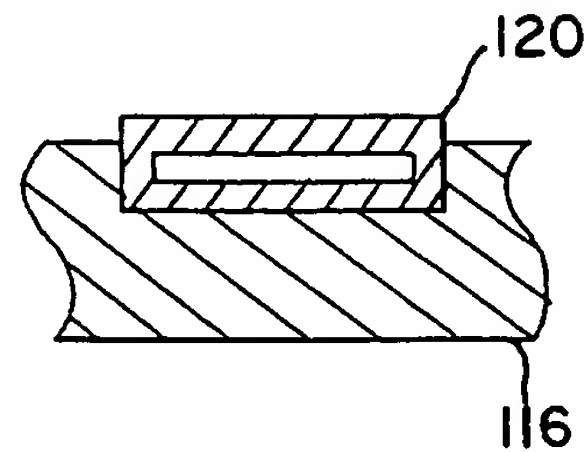


FIG.43

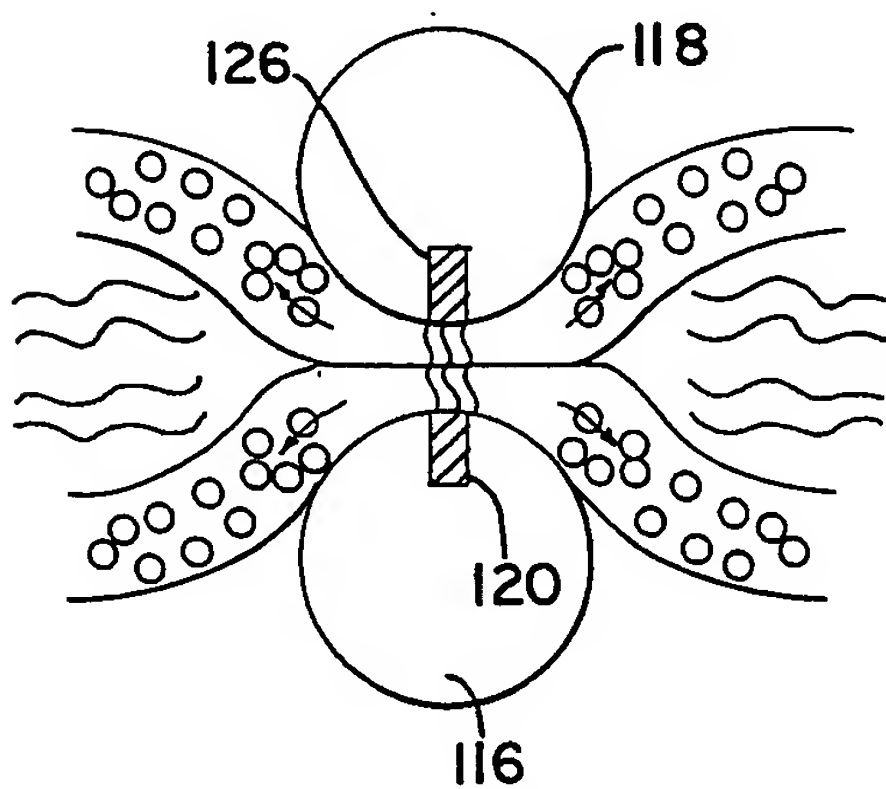


FIG.44

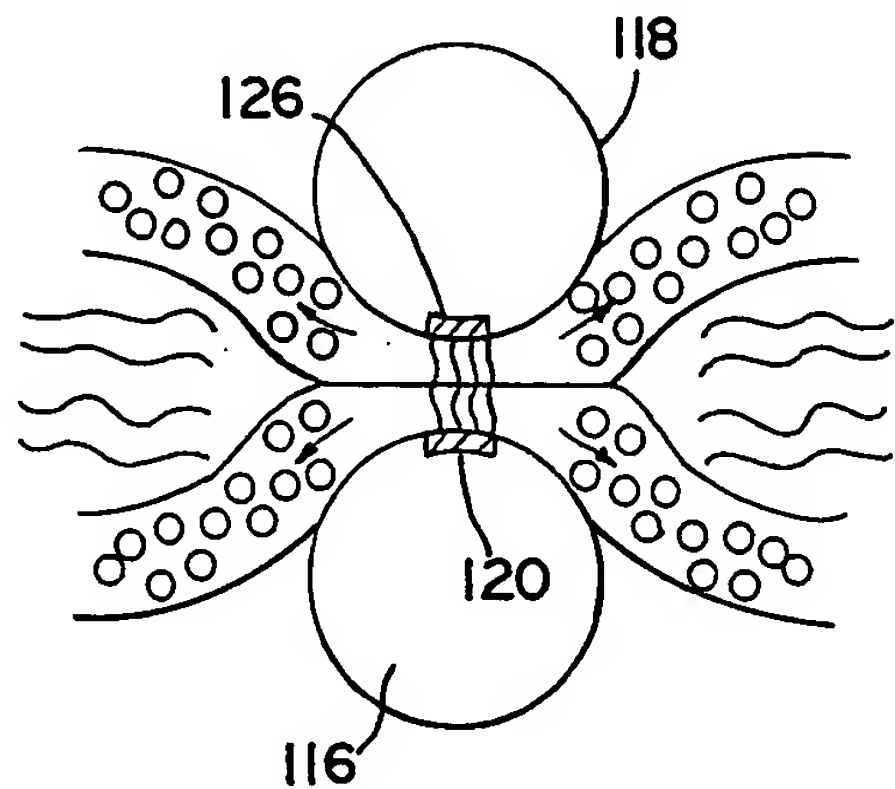


FIG.45

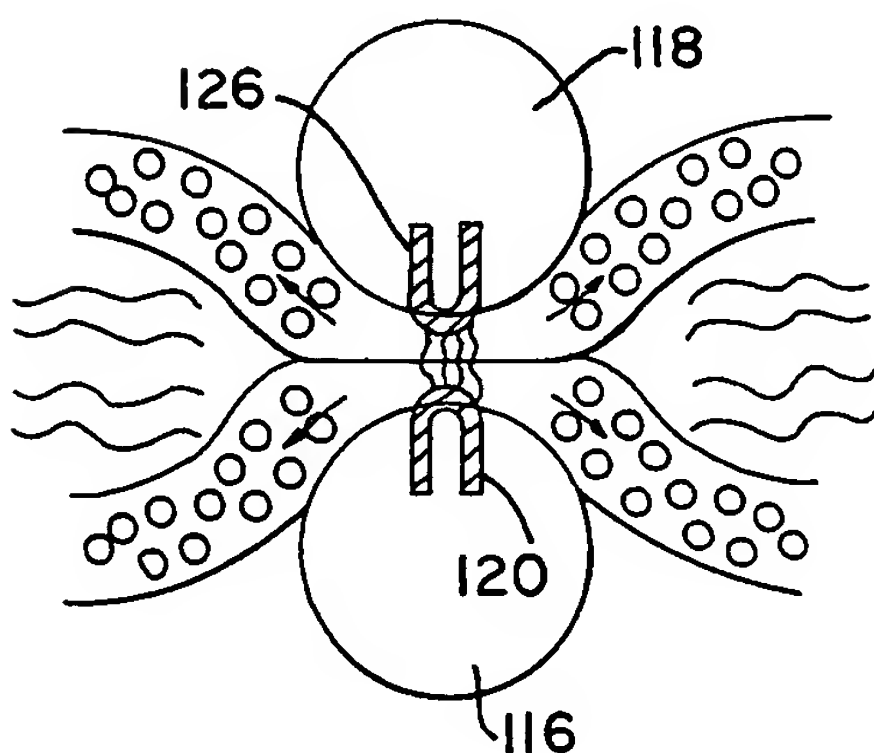


FIG.46

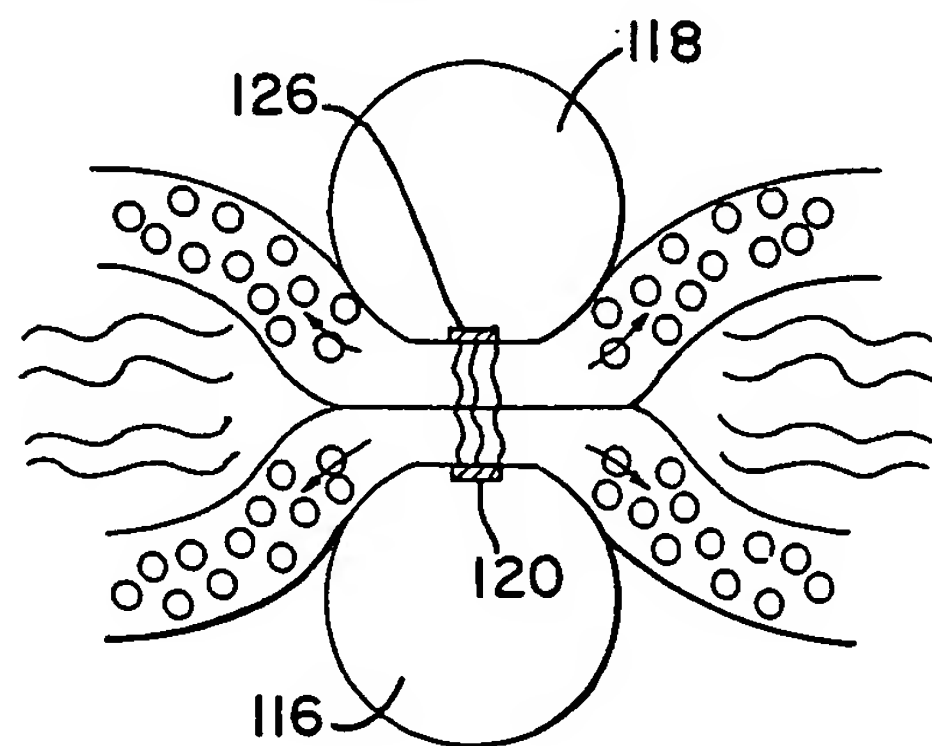




FIG.47

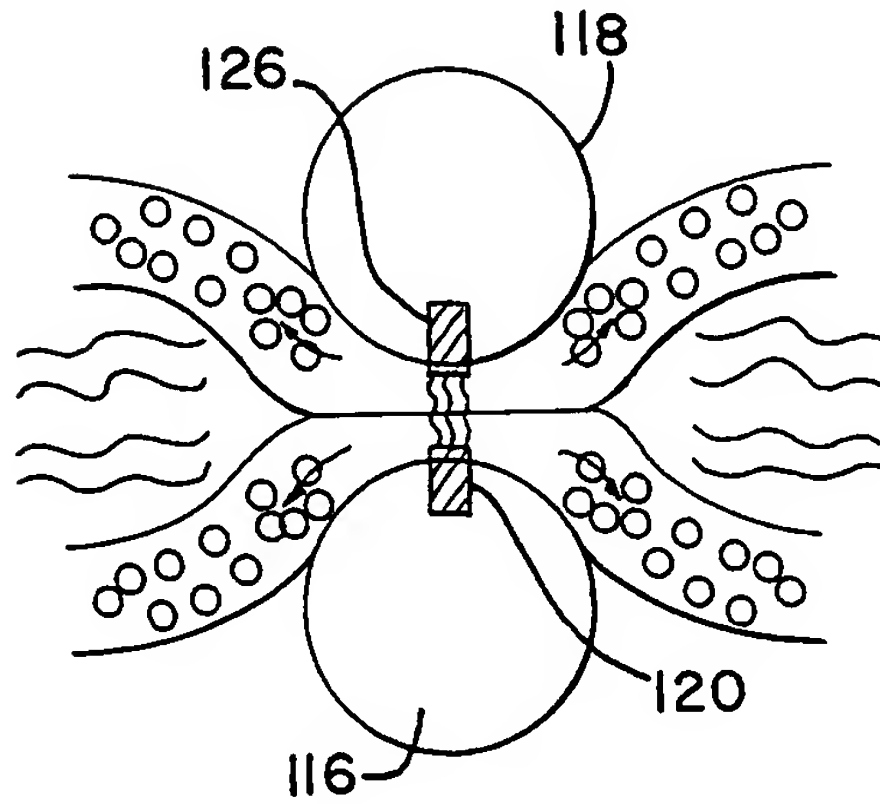


FIG.48

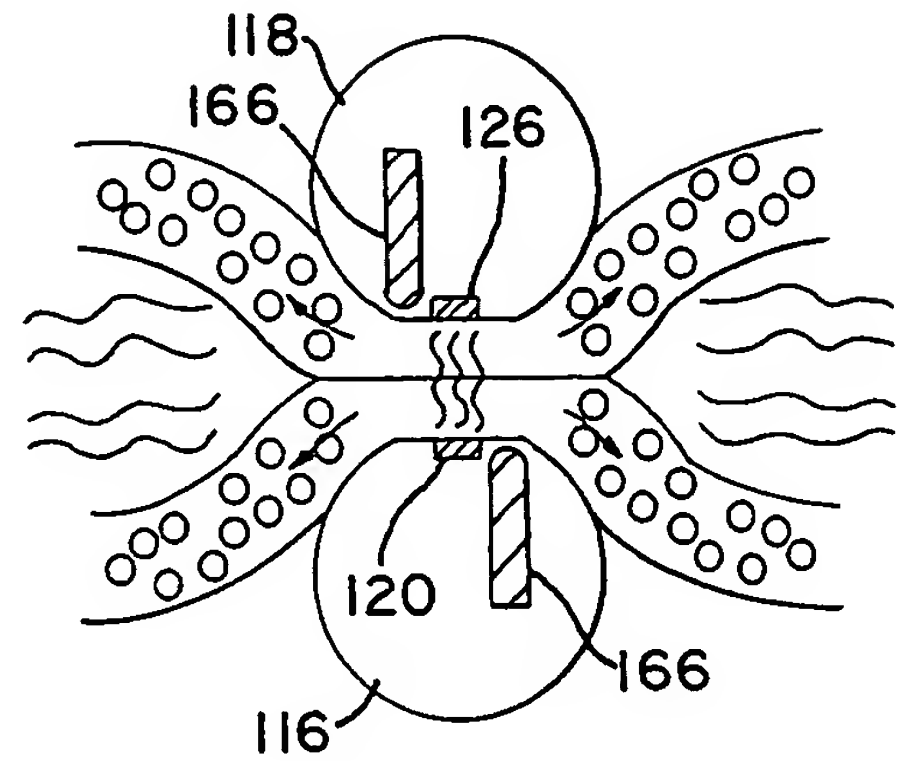


FIG.49

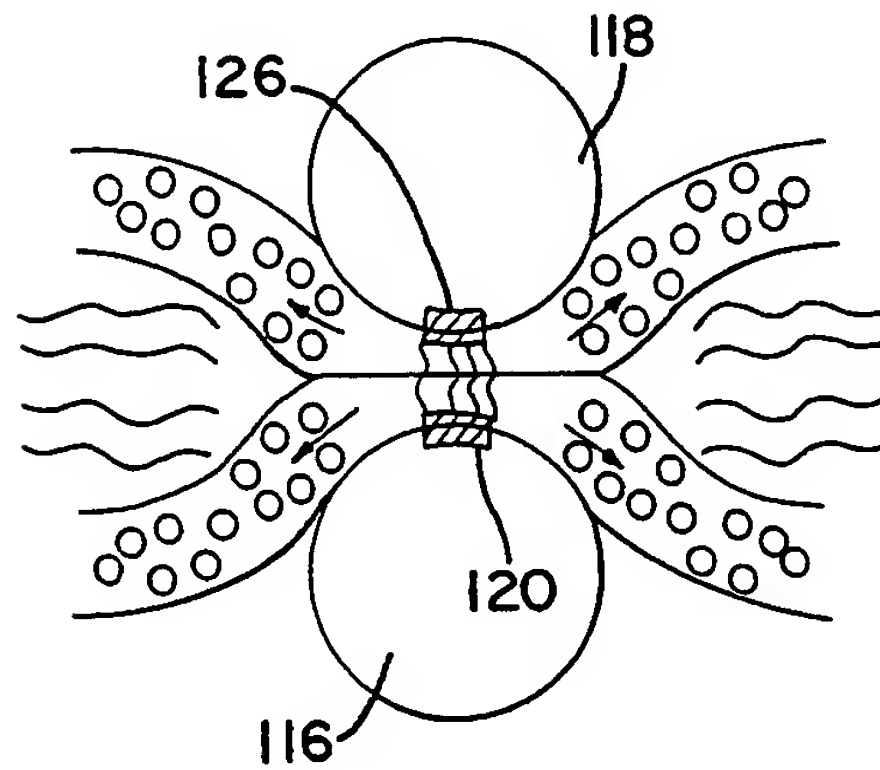


FIG.50

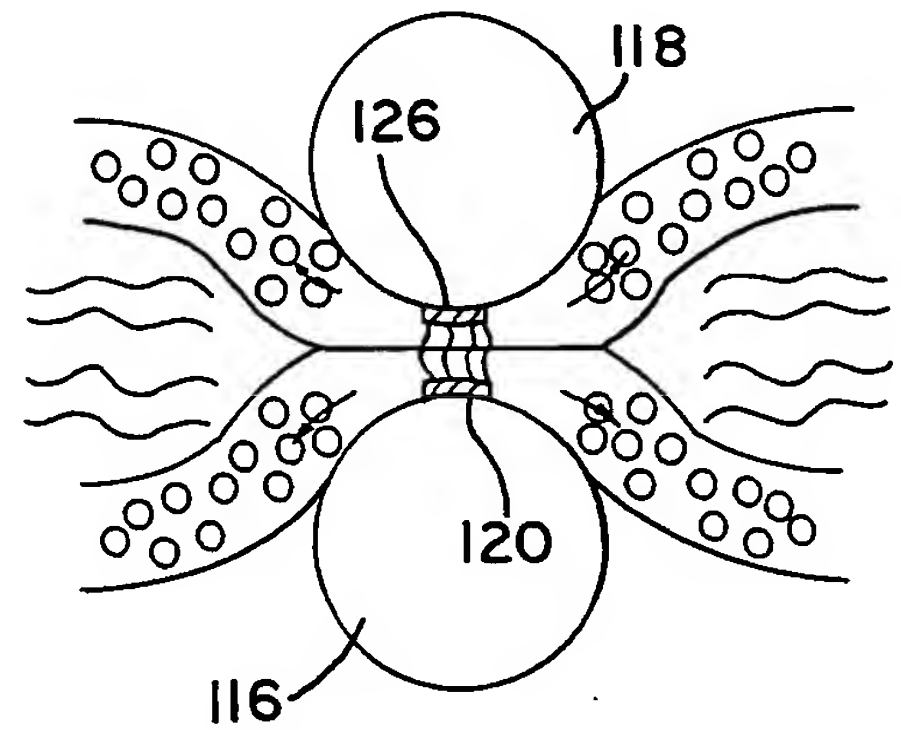


FIG.51

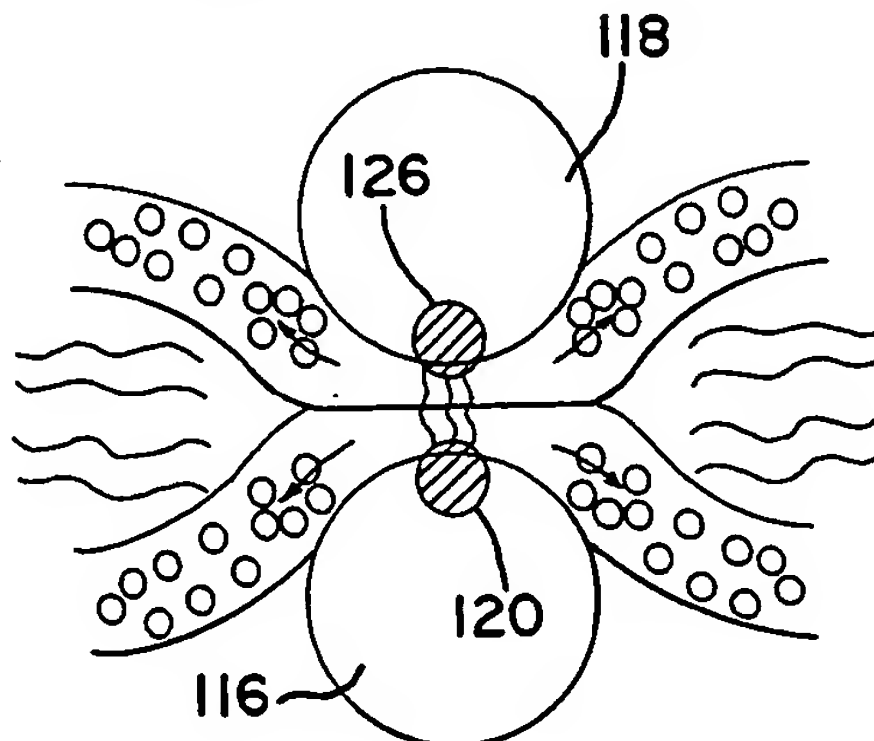




FIG.52A

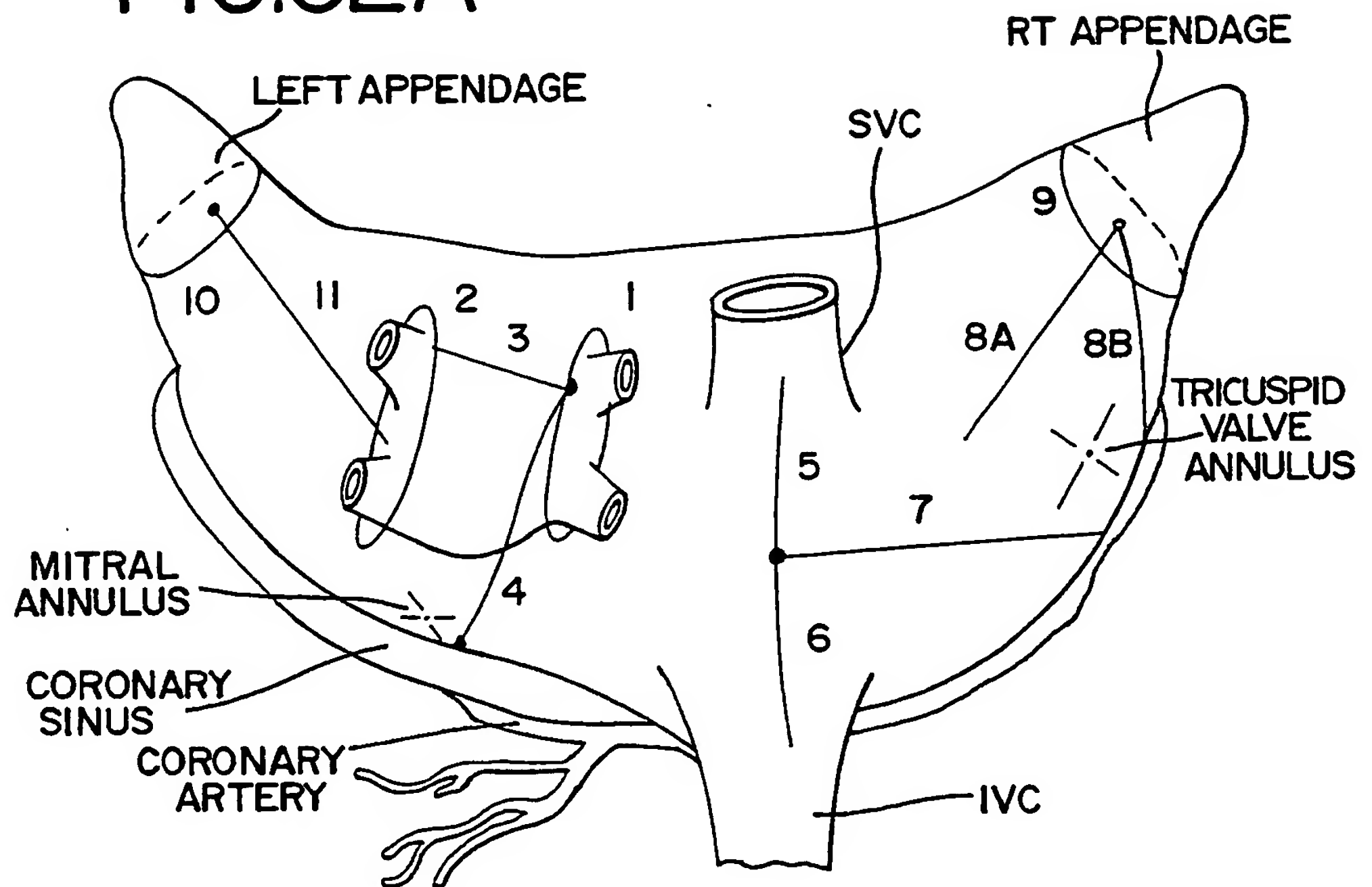


FIG.52B

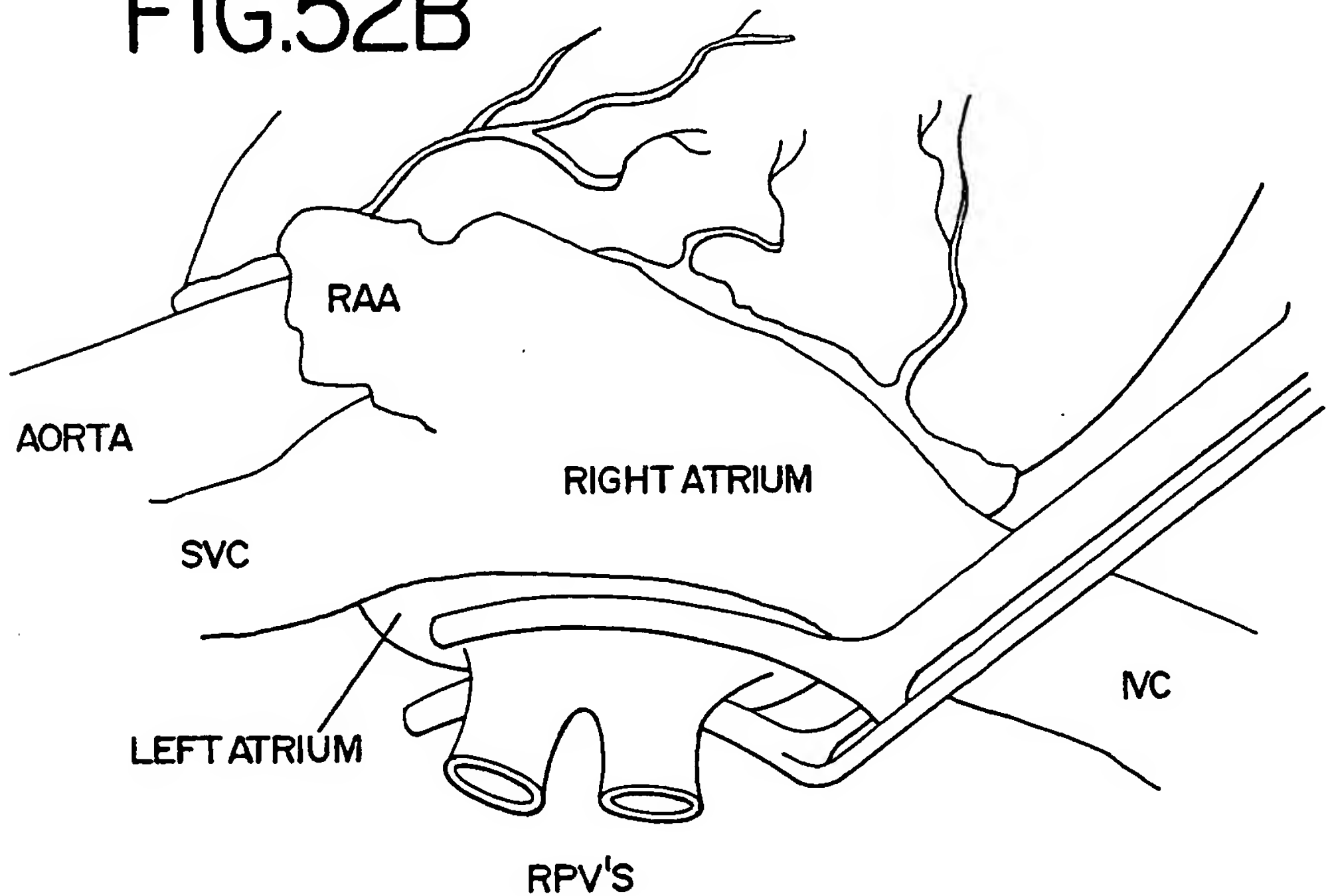




FIG.52C

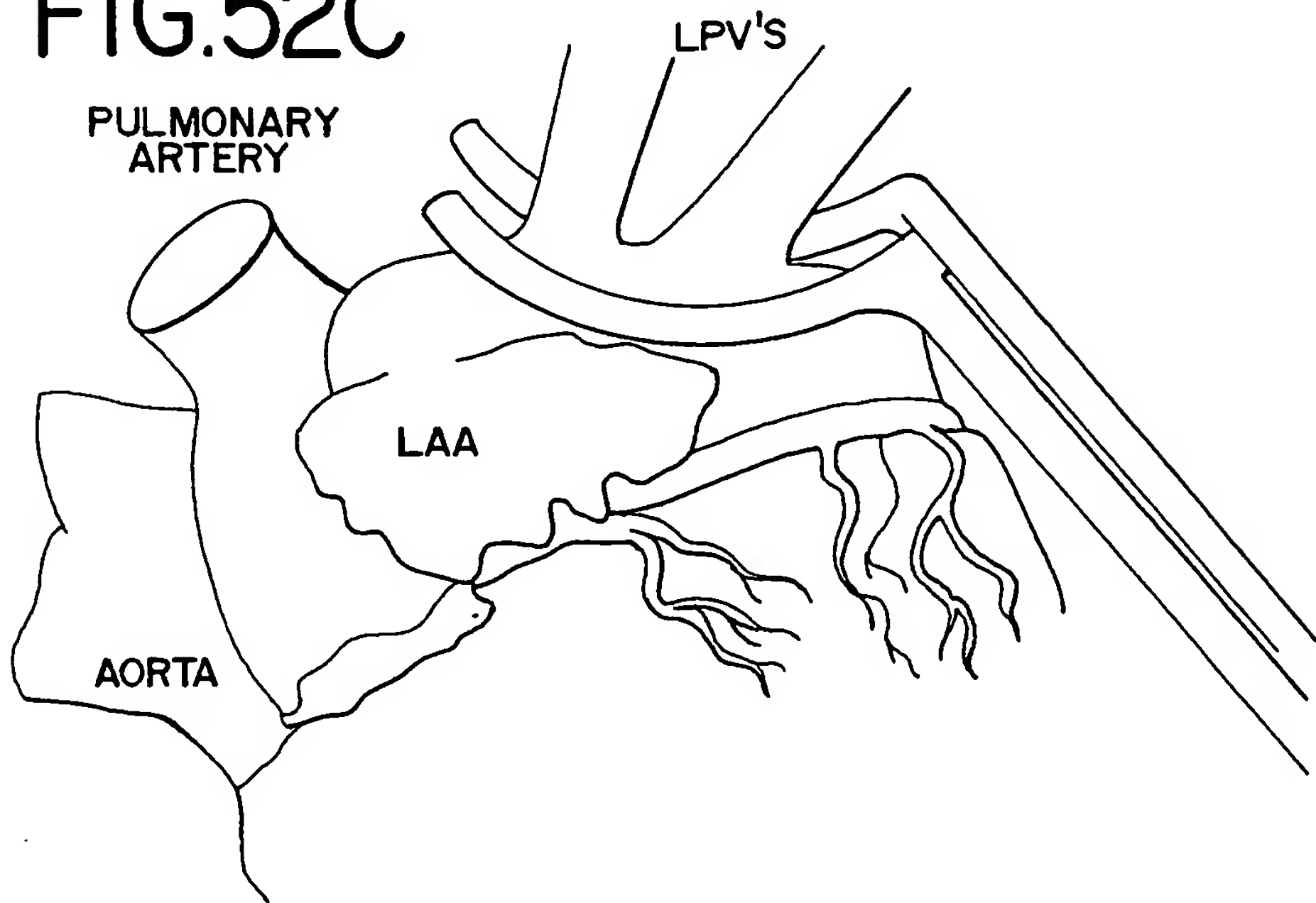


FIG.52D HEART LIFTED

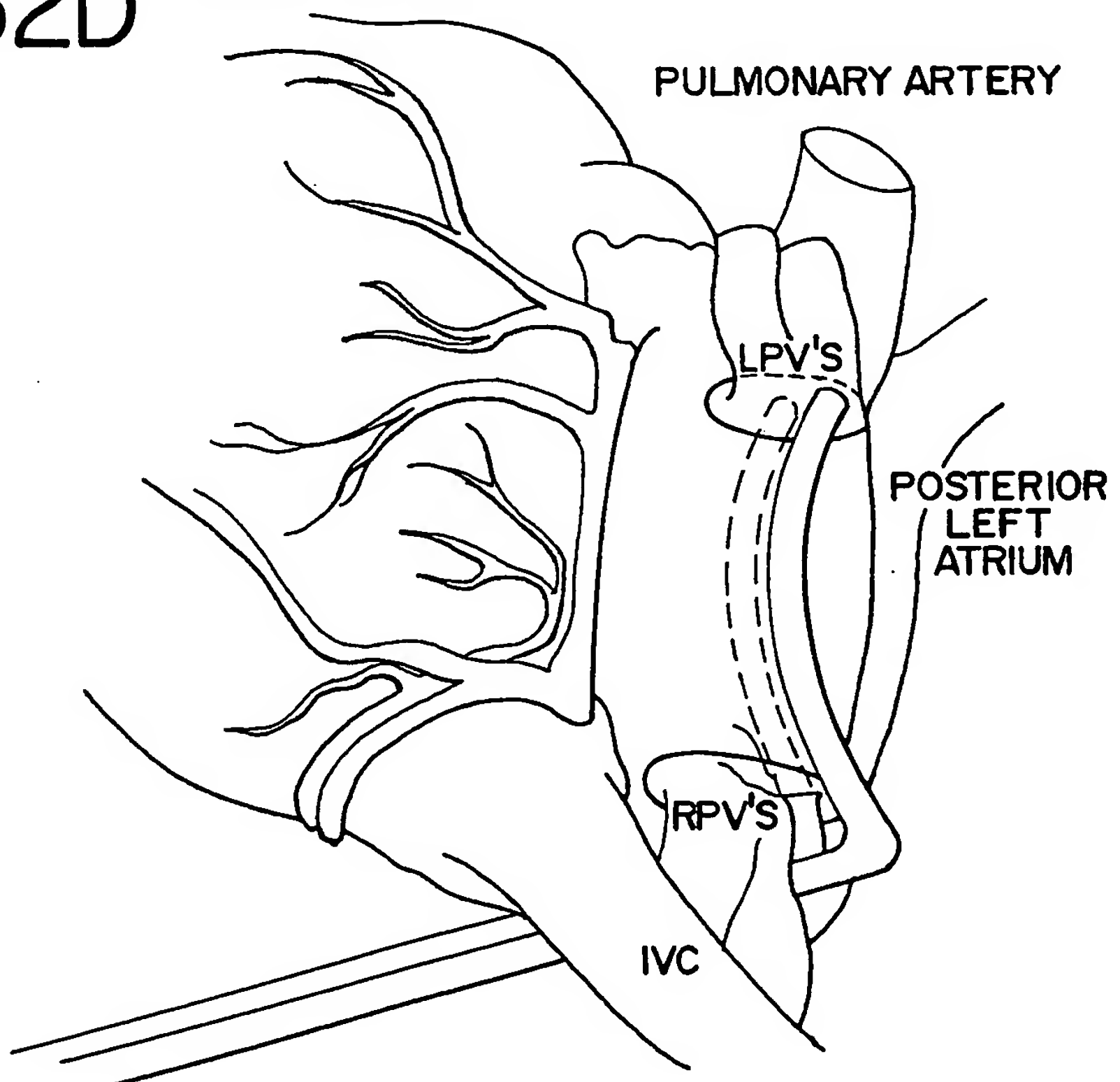




FIG.52E

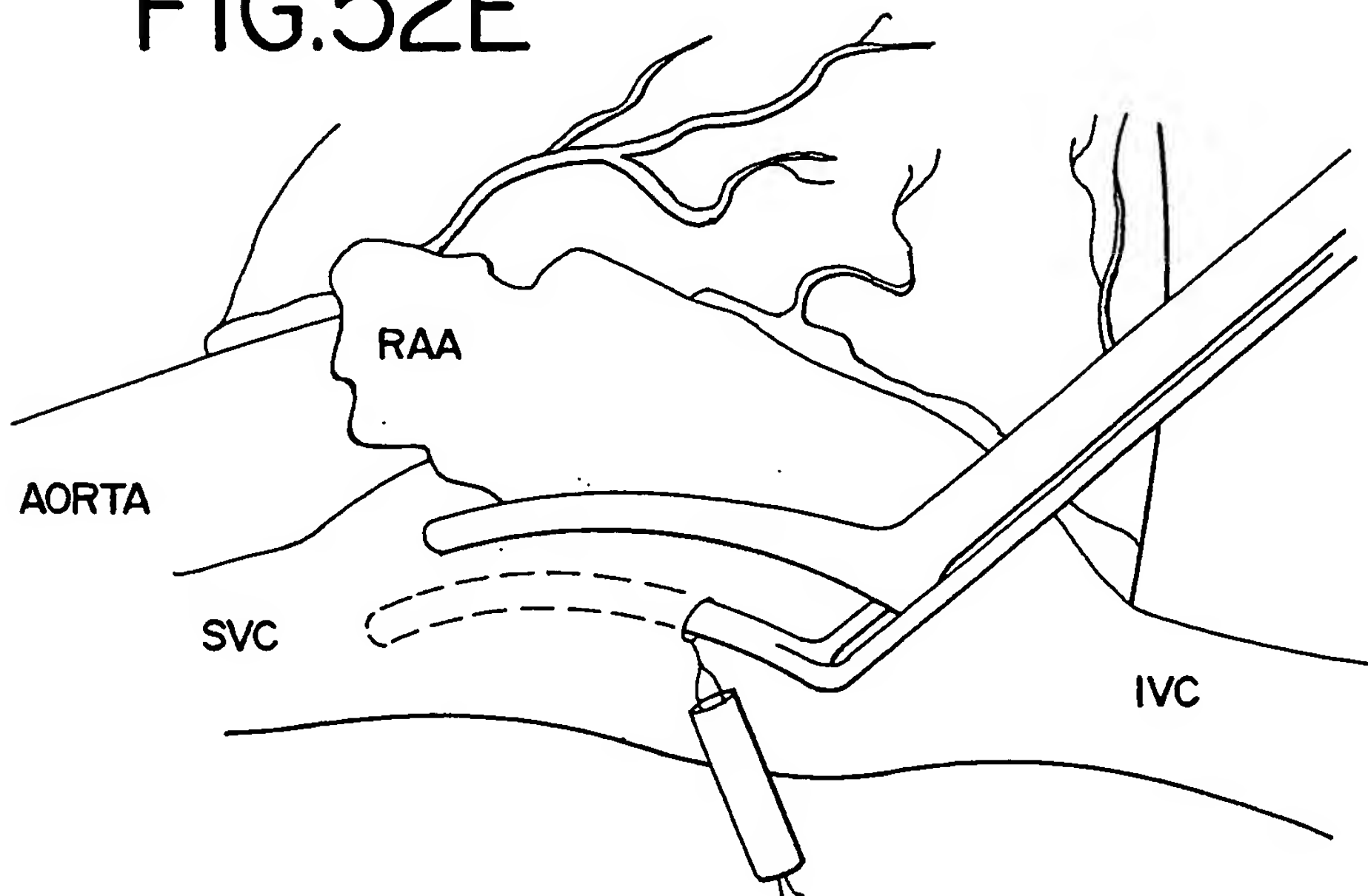


FIG.52F

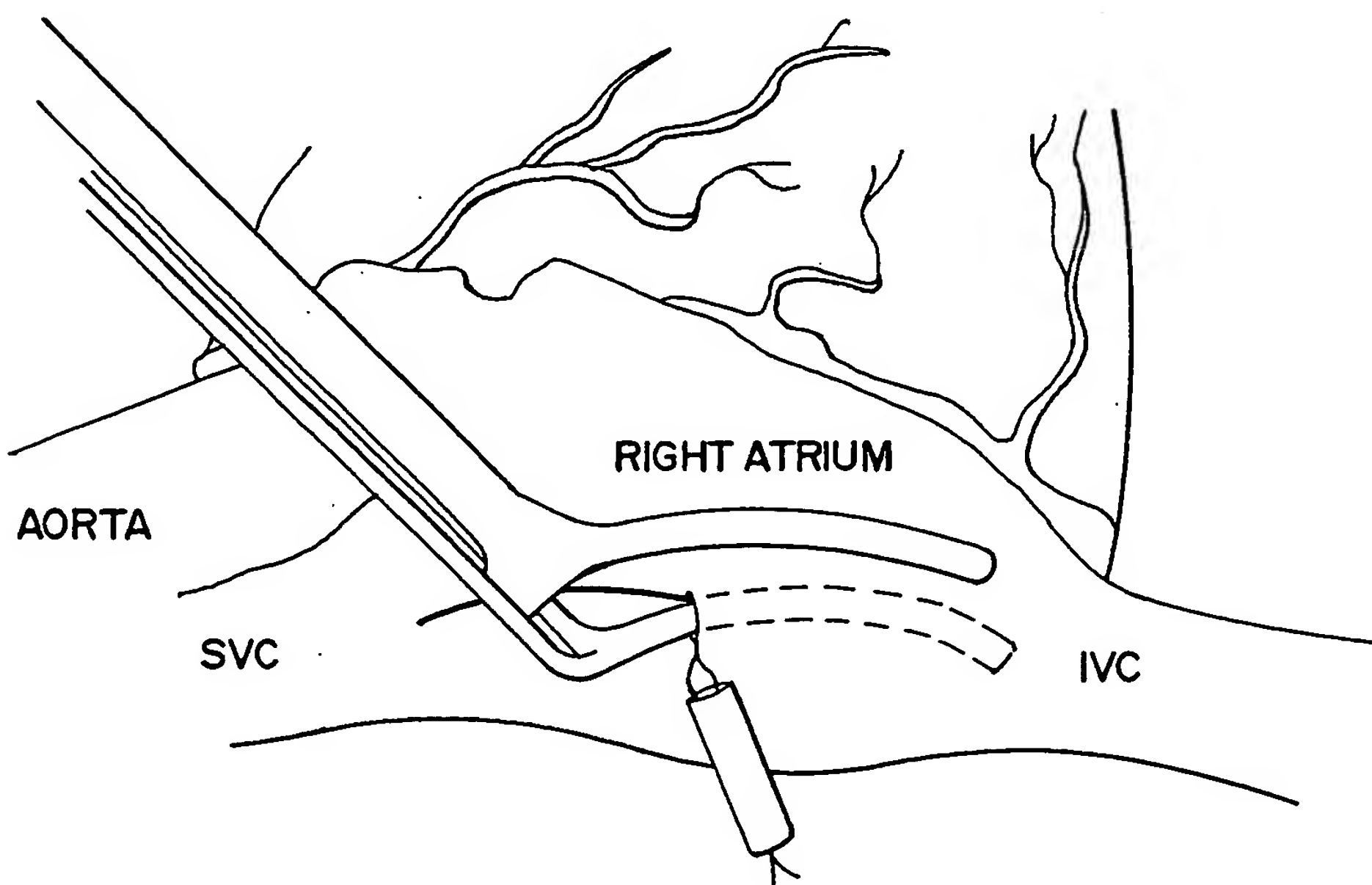




FIG.52G

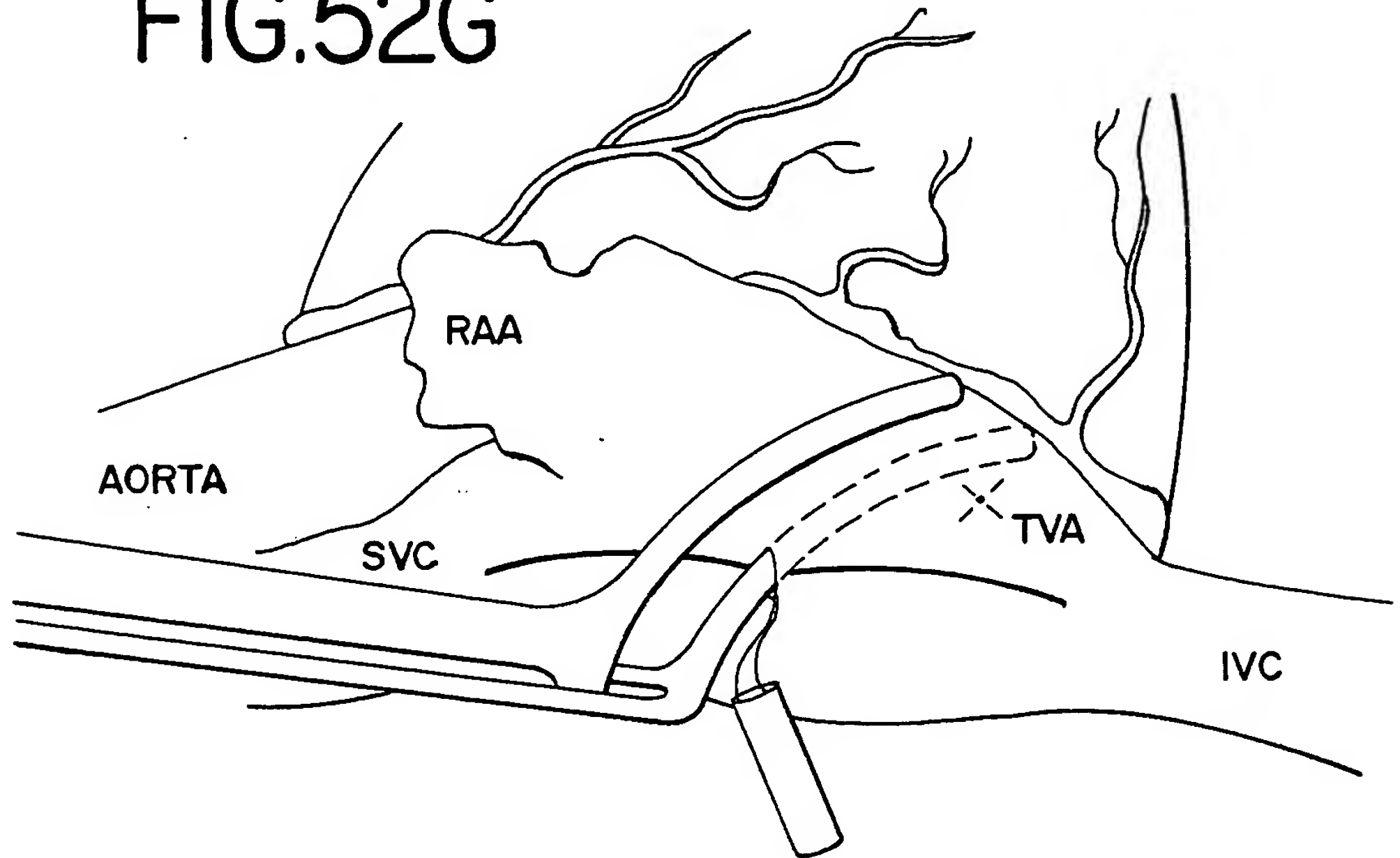


FIG.52H

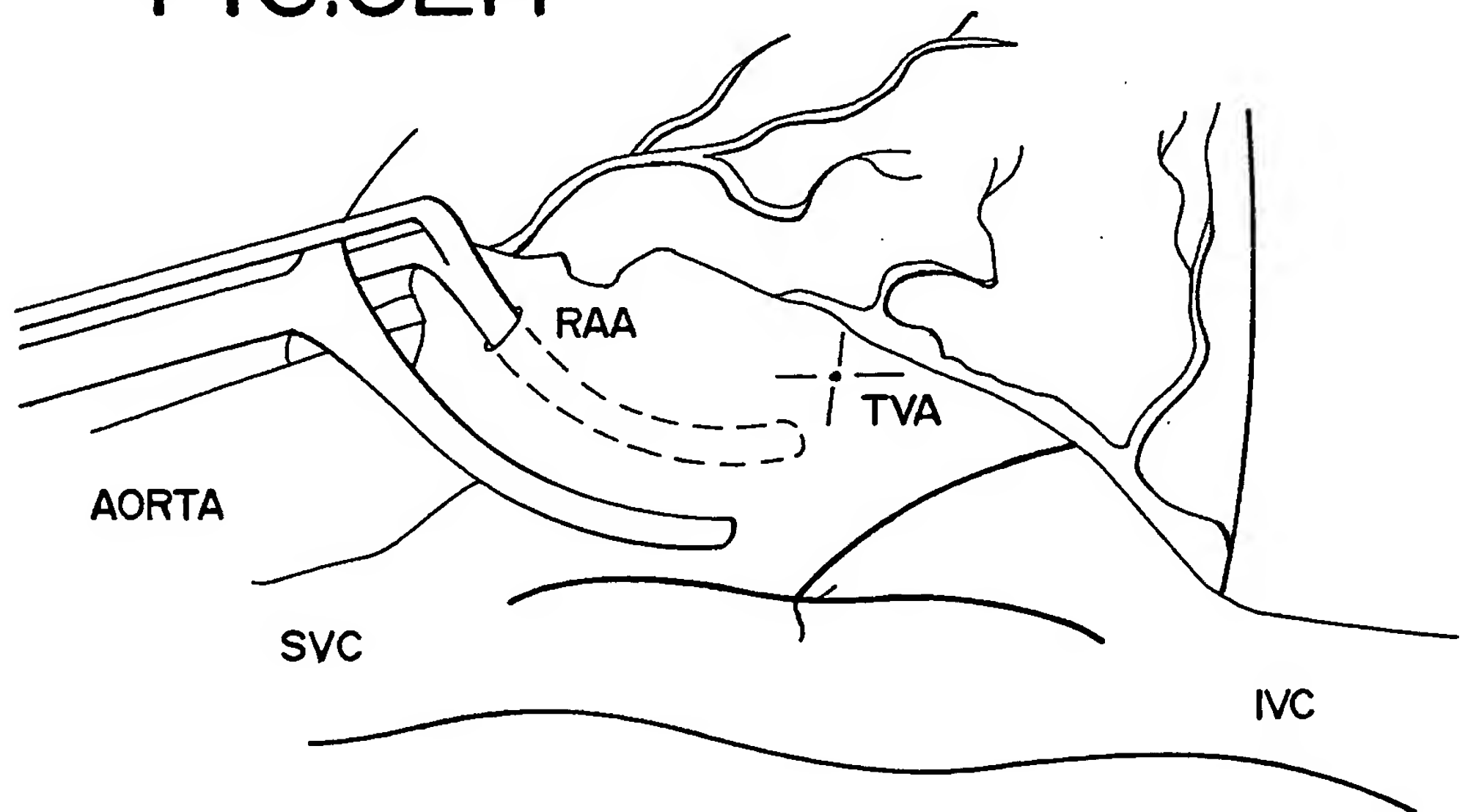




FIG. 52I

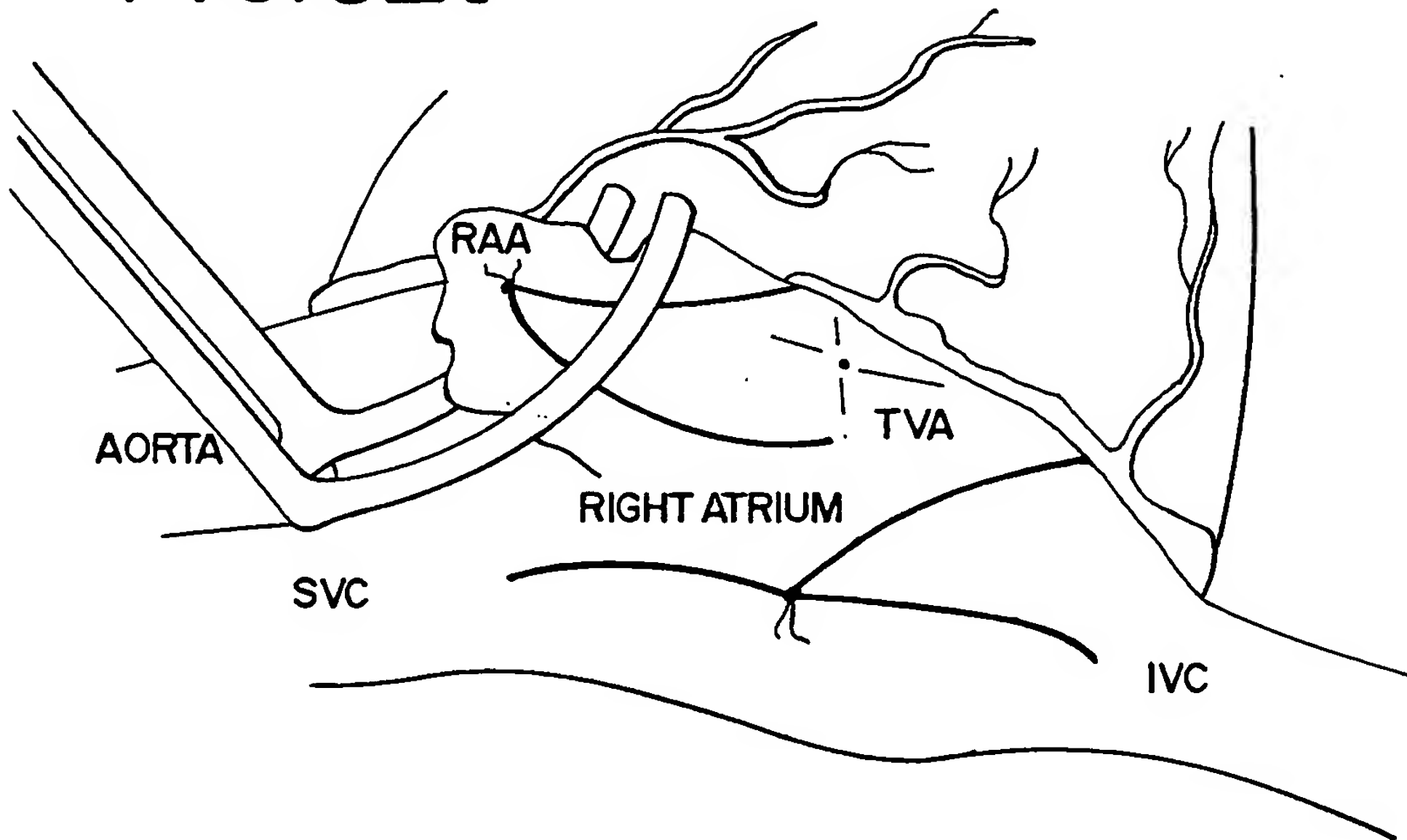


FIG. 52J

PULMONARY ARTERY

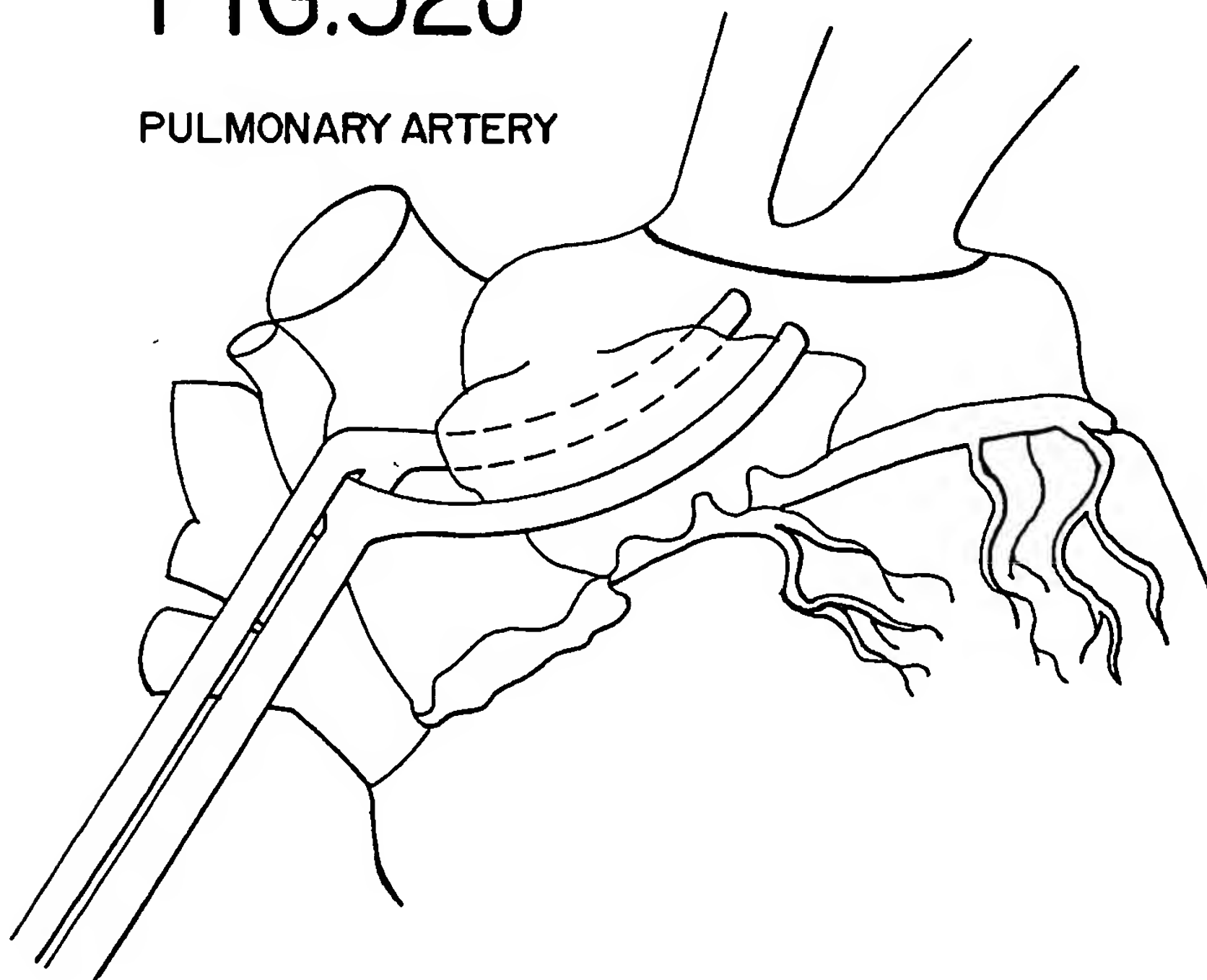
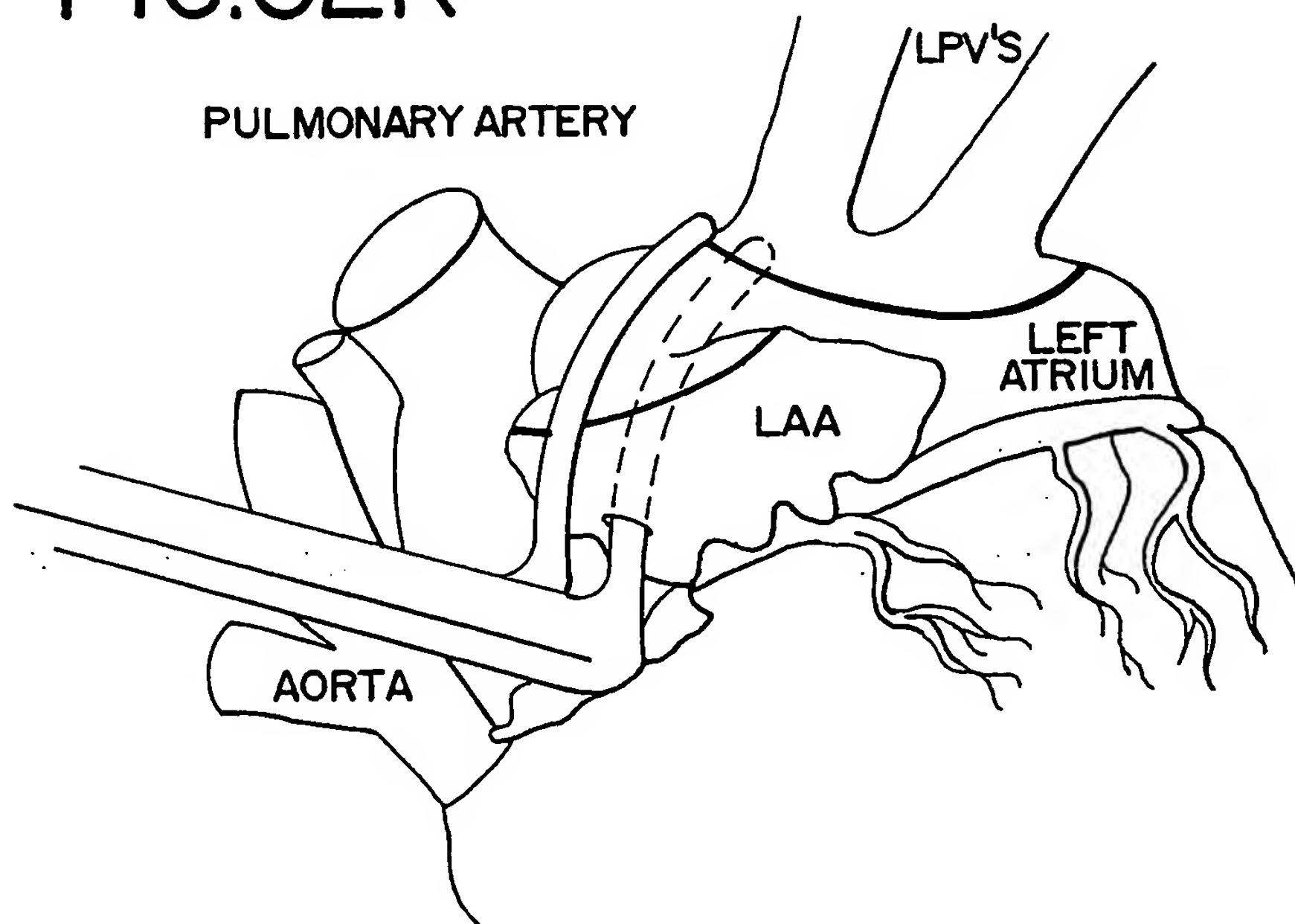
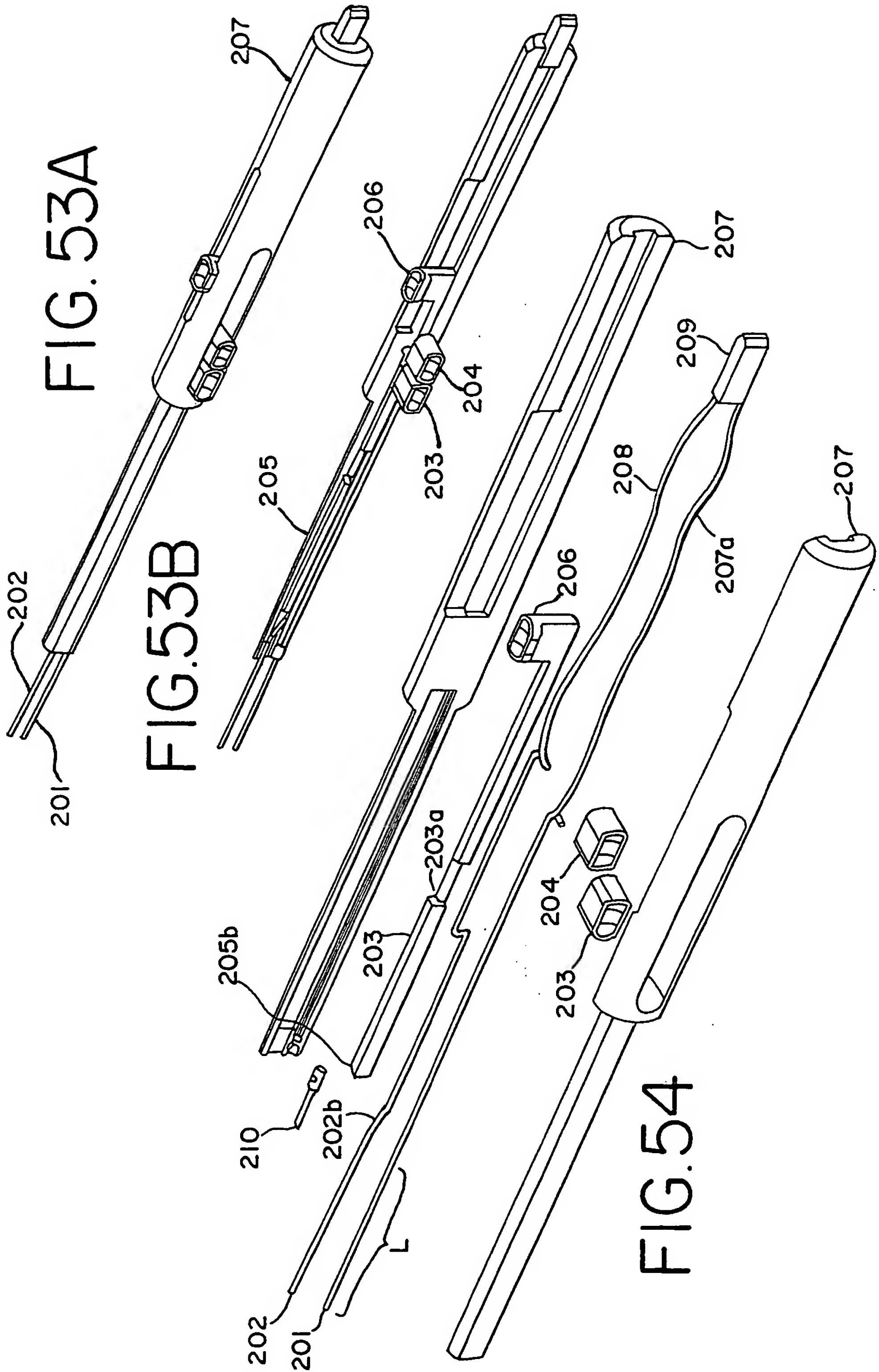




FIG.52K





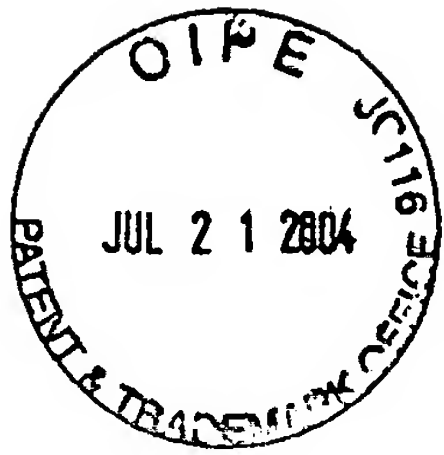


FIG. 55

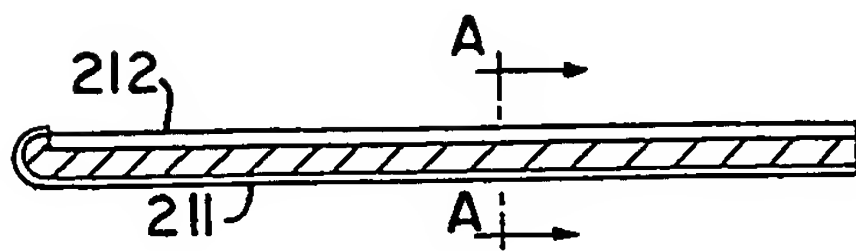


FIG. 56

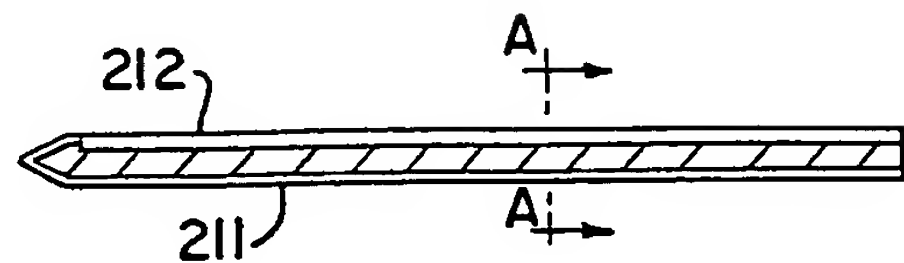


FIG. 57

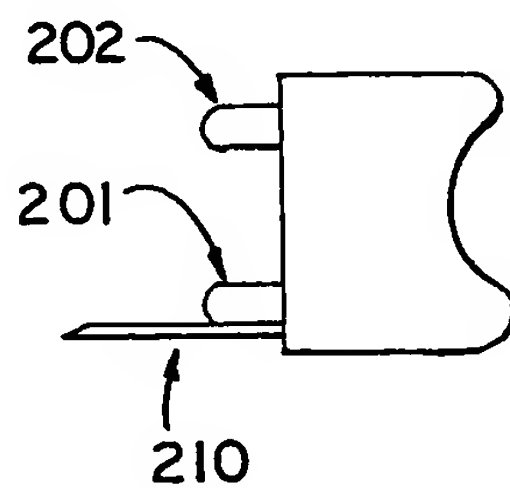


FIG. 58A

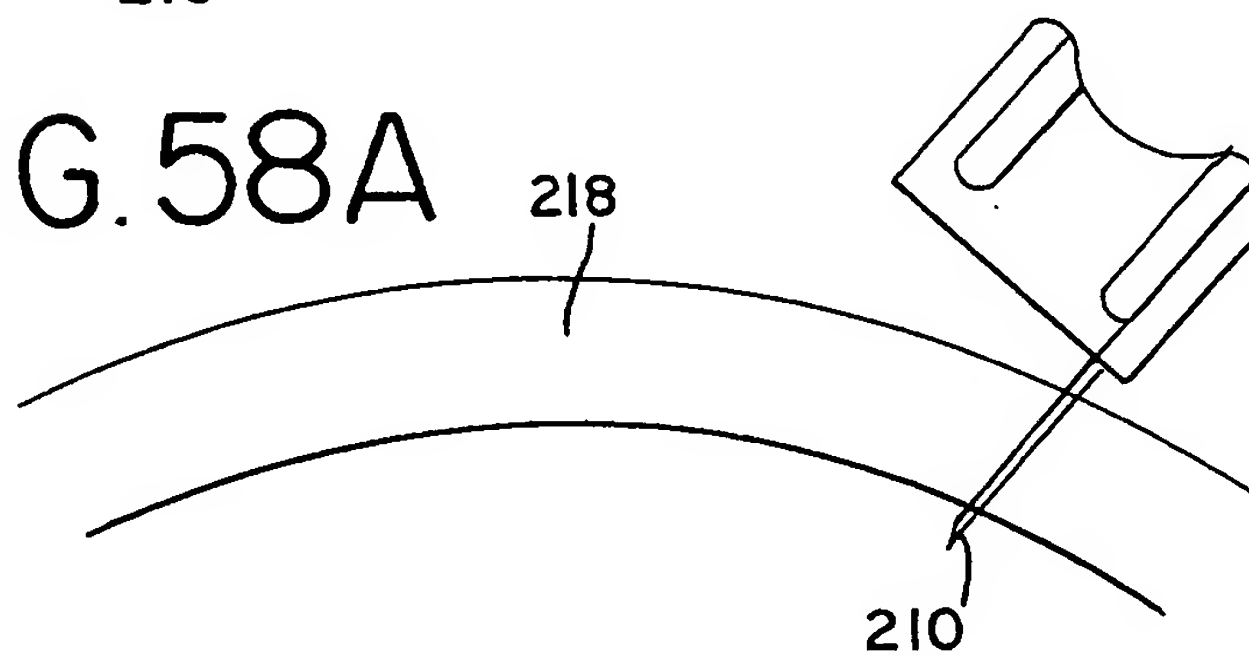
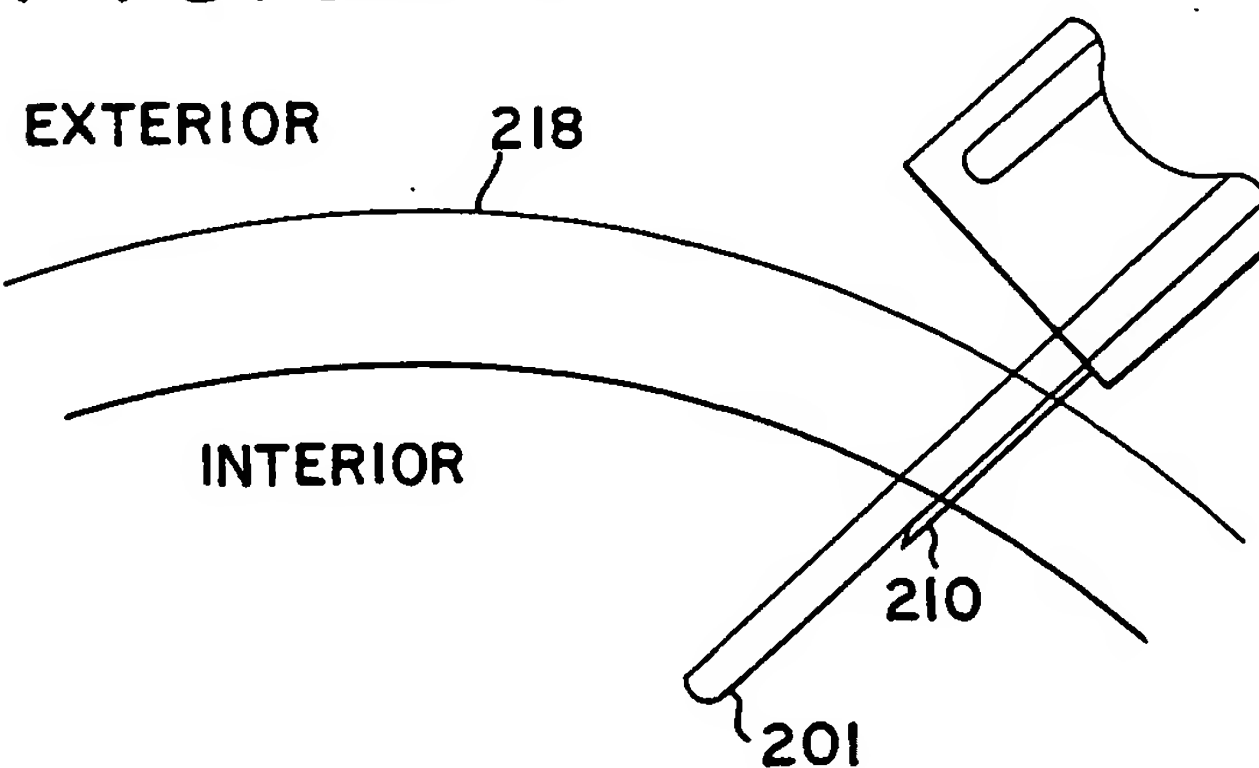


FIG. 58B



A cross-sectional view of a semiconductor device. Two circular regions, labeled 201 and 202, are shown. Region 201 is at the bottom and region 202 is at the top. They are separated by a wavy line representing a gap or interface. A conductive area, labeled 219, is shown on the right side, extending from the top region 202 down to the bottom region 201. The regions 201 and 202 are surrounded by a material labeled 211. The conductive area 219 is surrounded by a material labeled 212. The text "CONDUCTIVE AREA" is written on the left side of the diagram.



FIG. 59

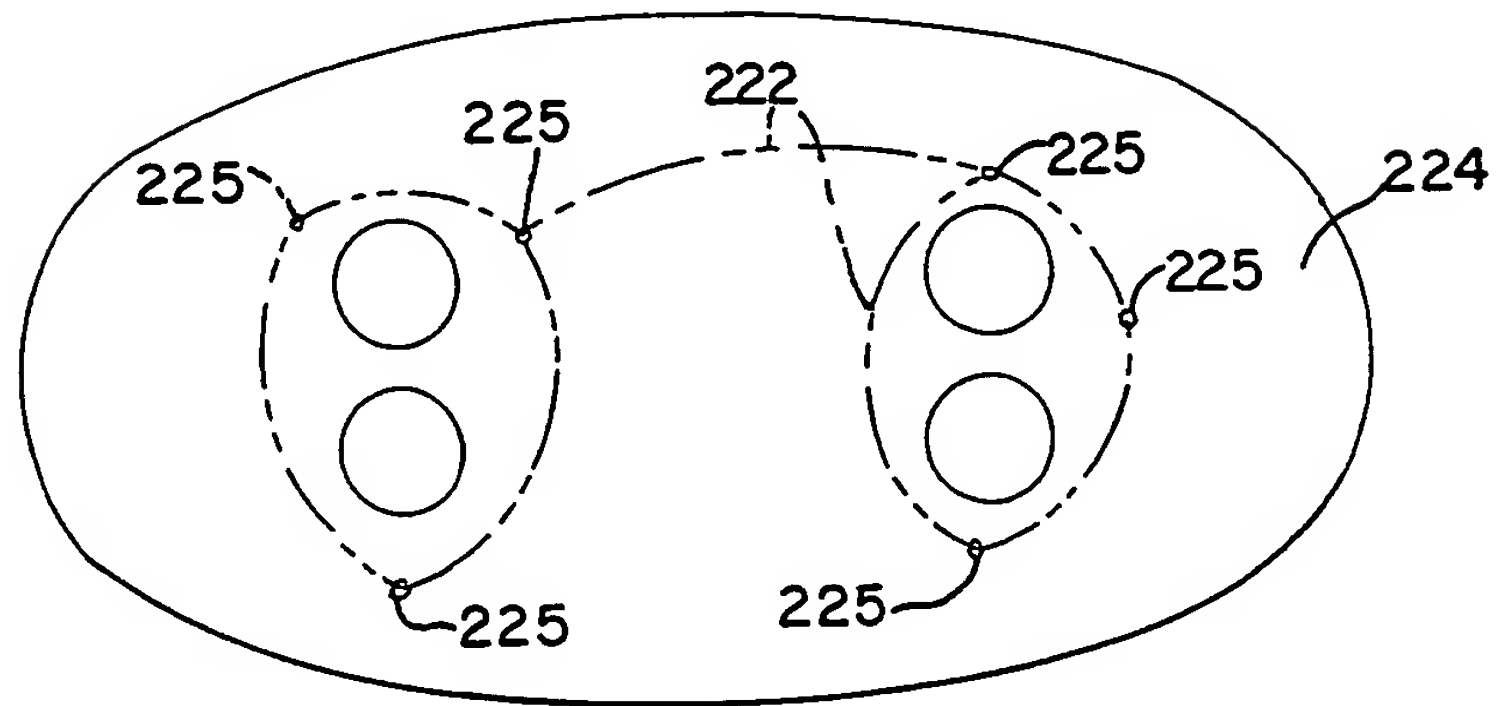


FIG. 60A

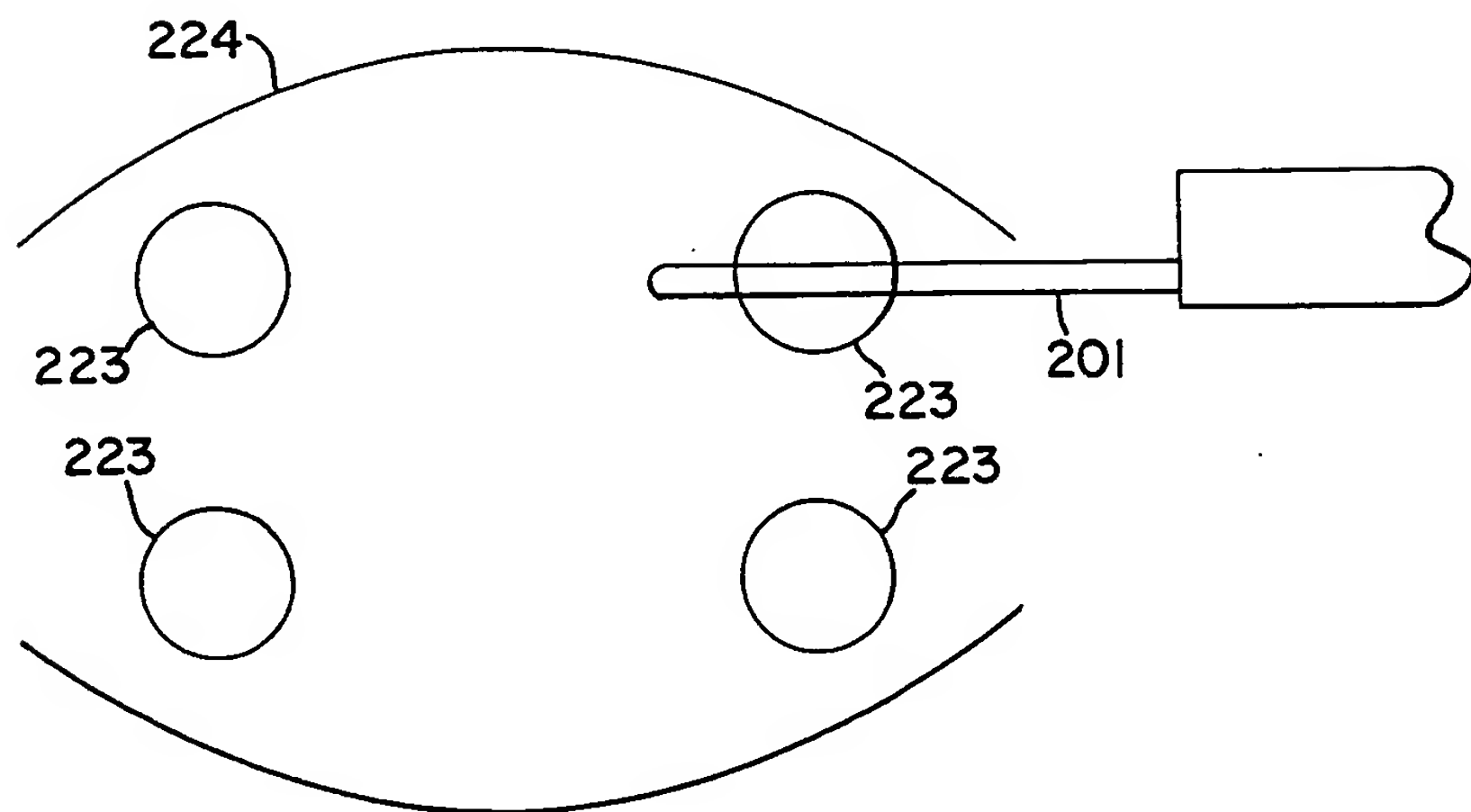




FIG. 60B

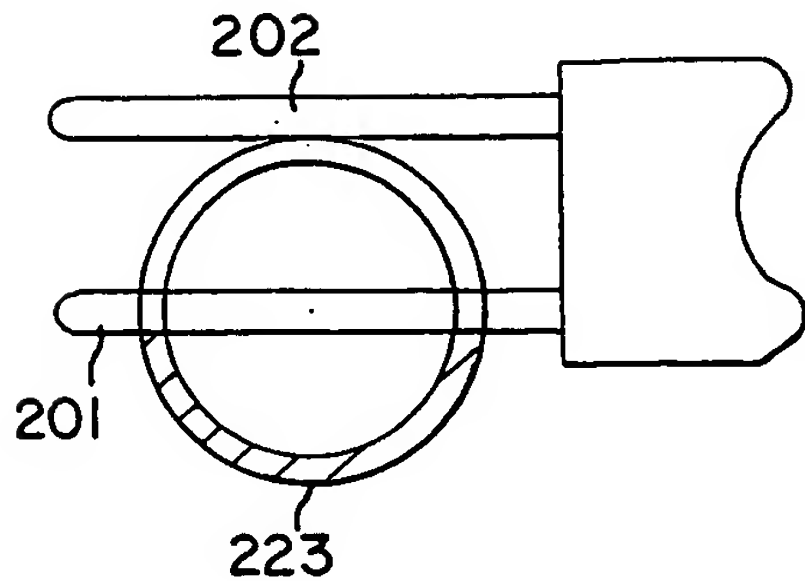


FIG. 60C

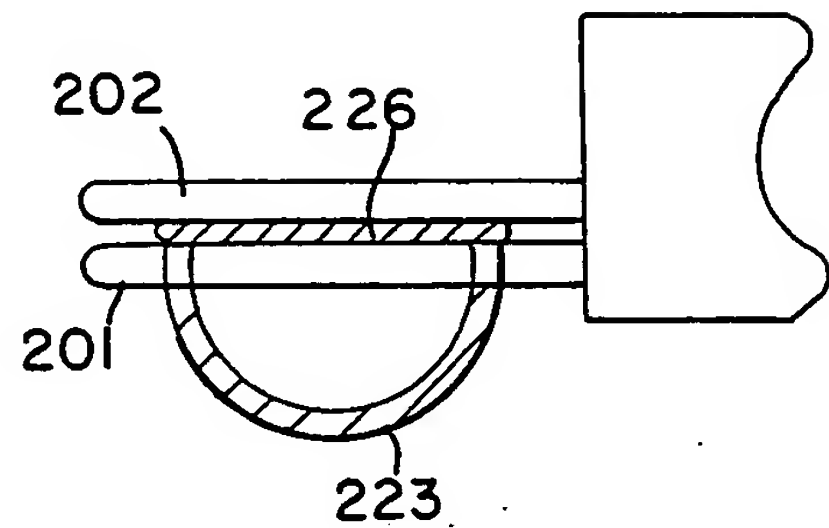


FIG. 60D

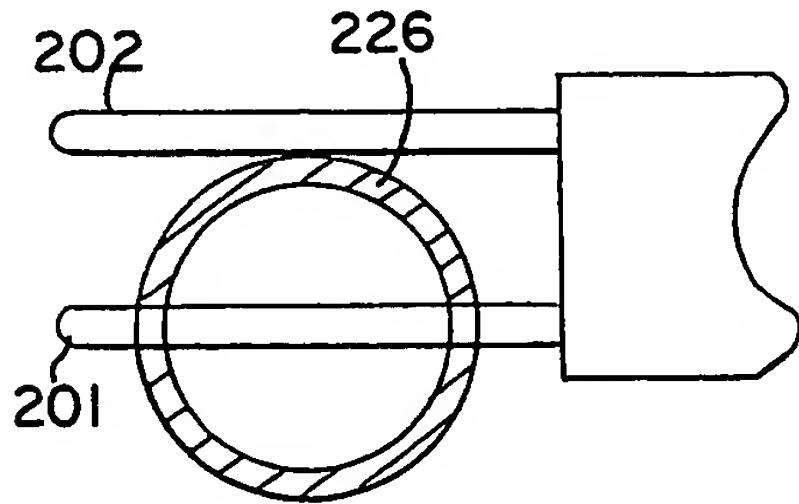


FIG. 60E

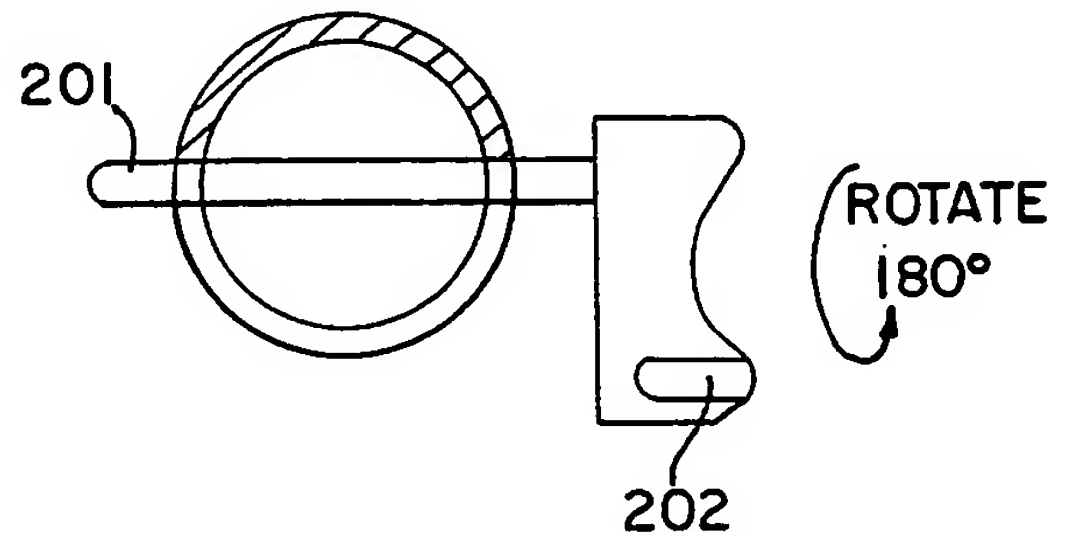


FIG. 60F

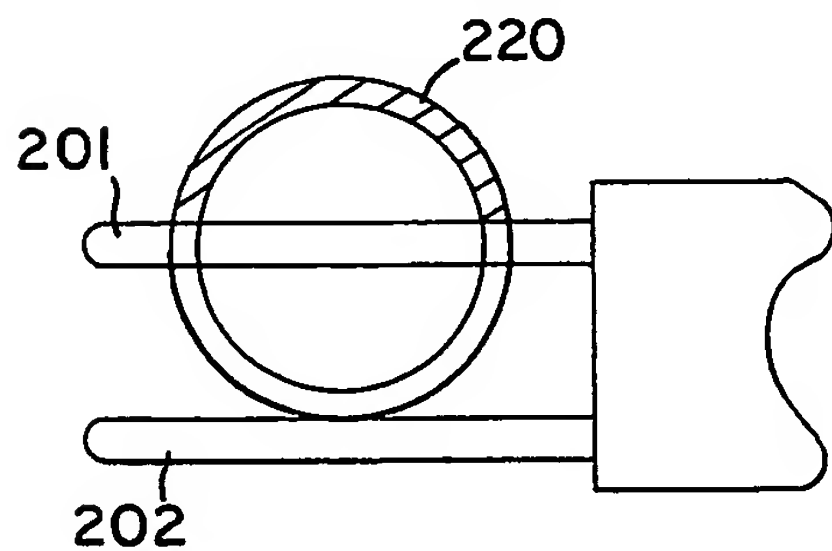


FIG. 60G

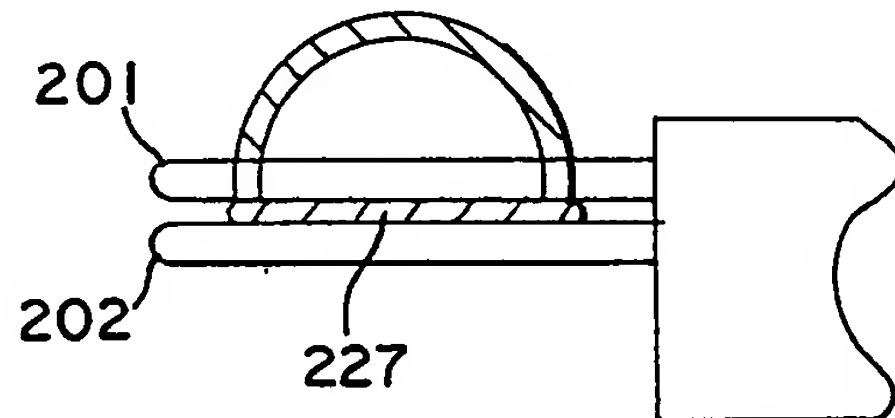


FIG. 60H

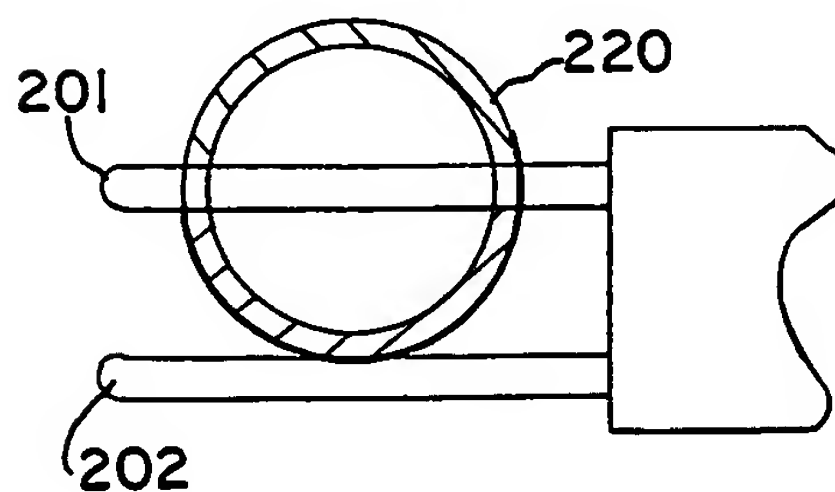
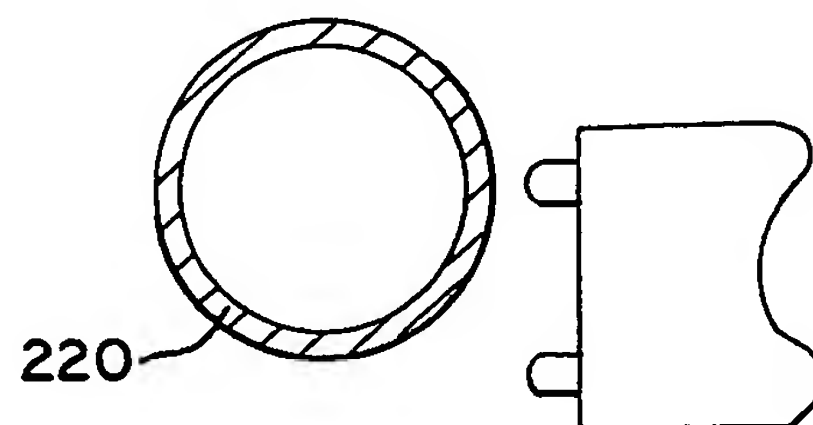
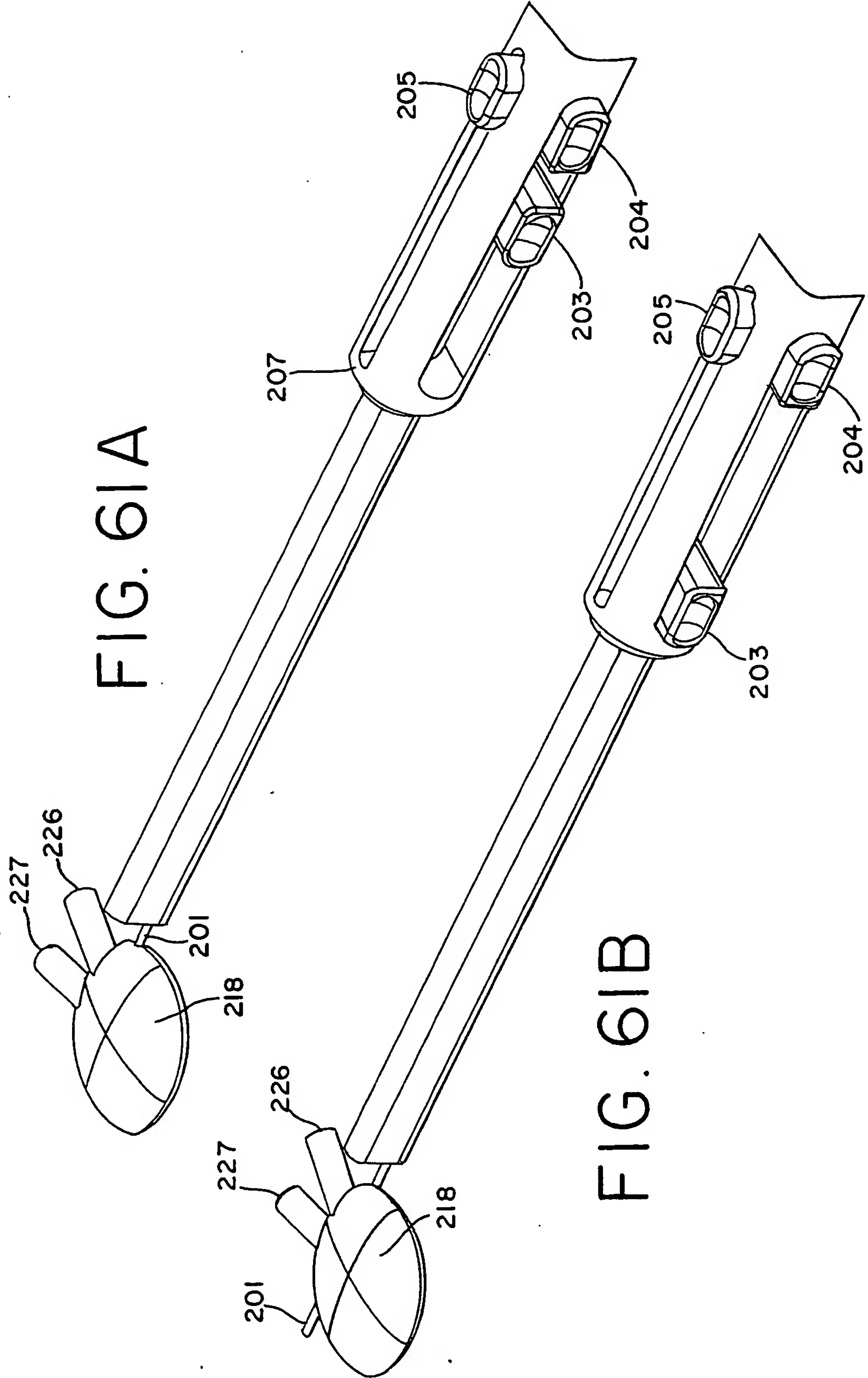
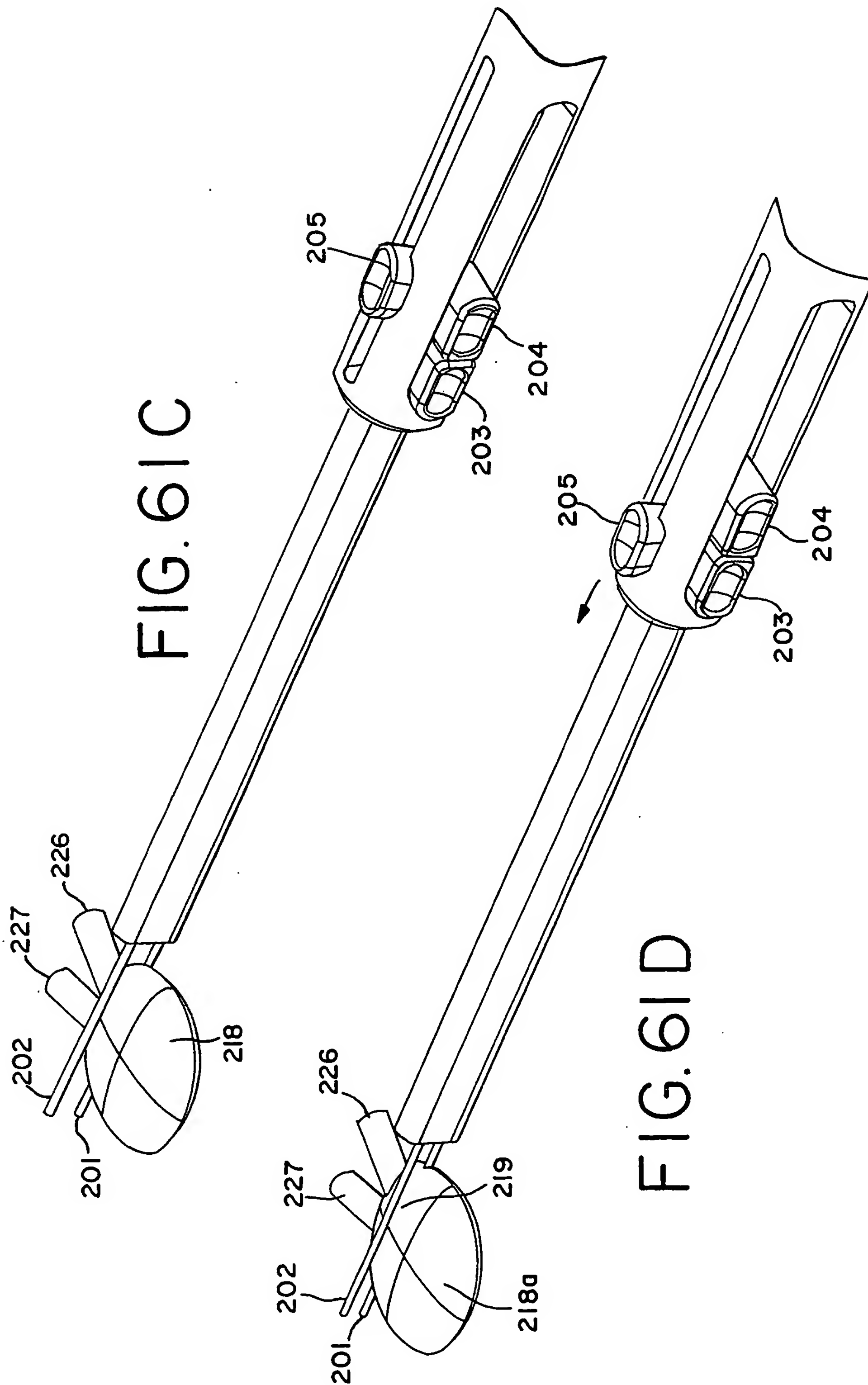
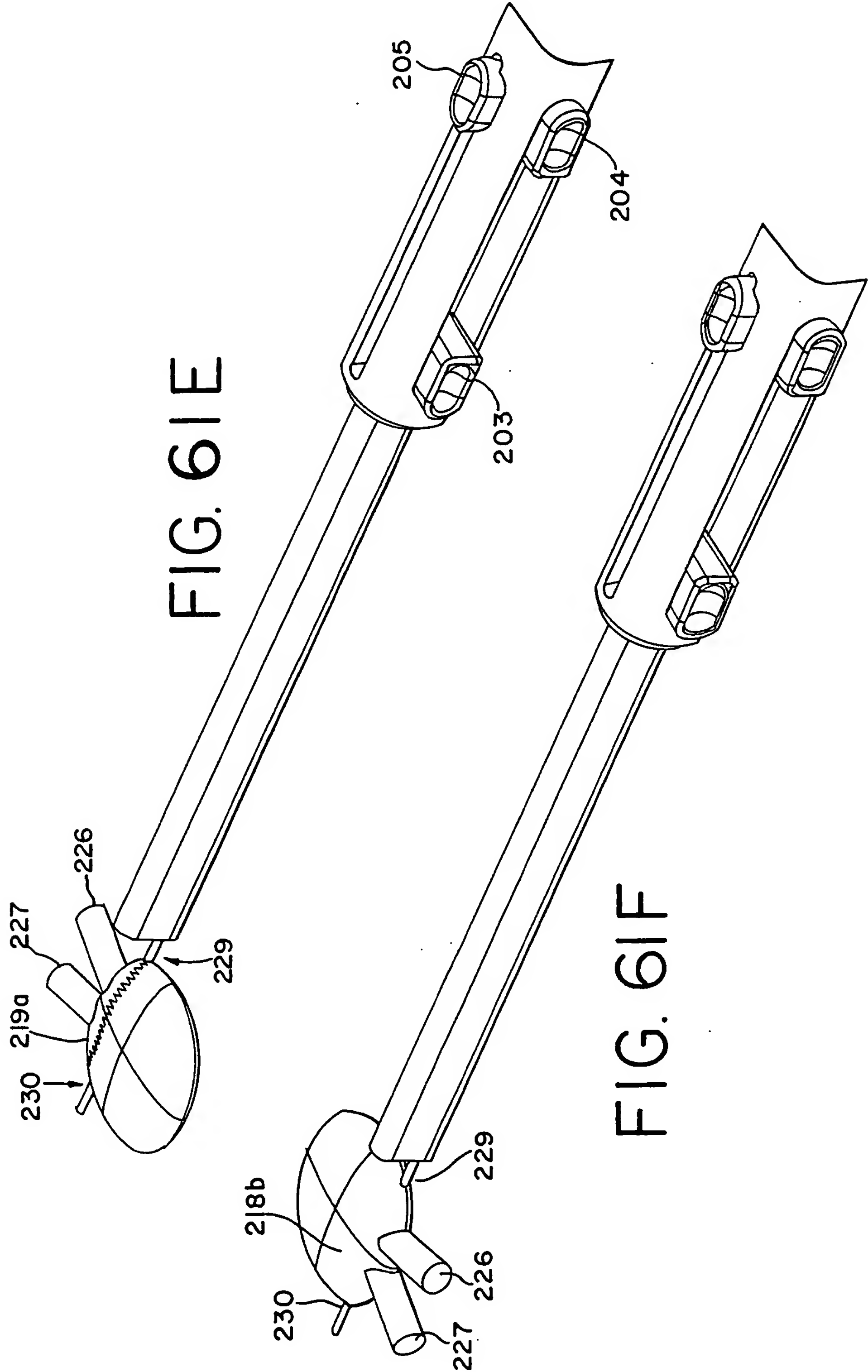


FIG. 60I









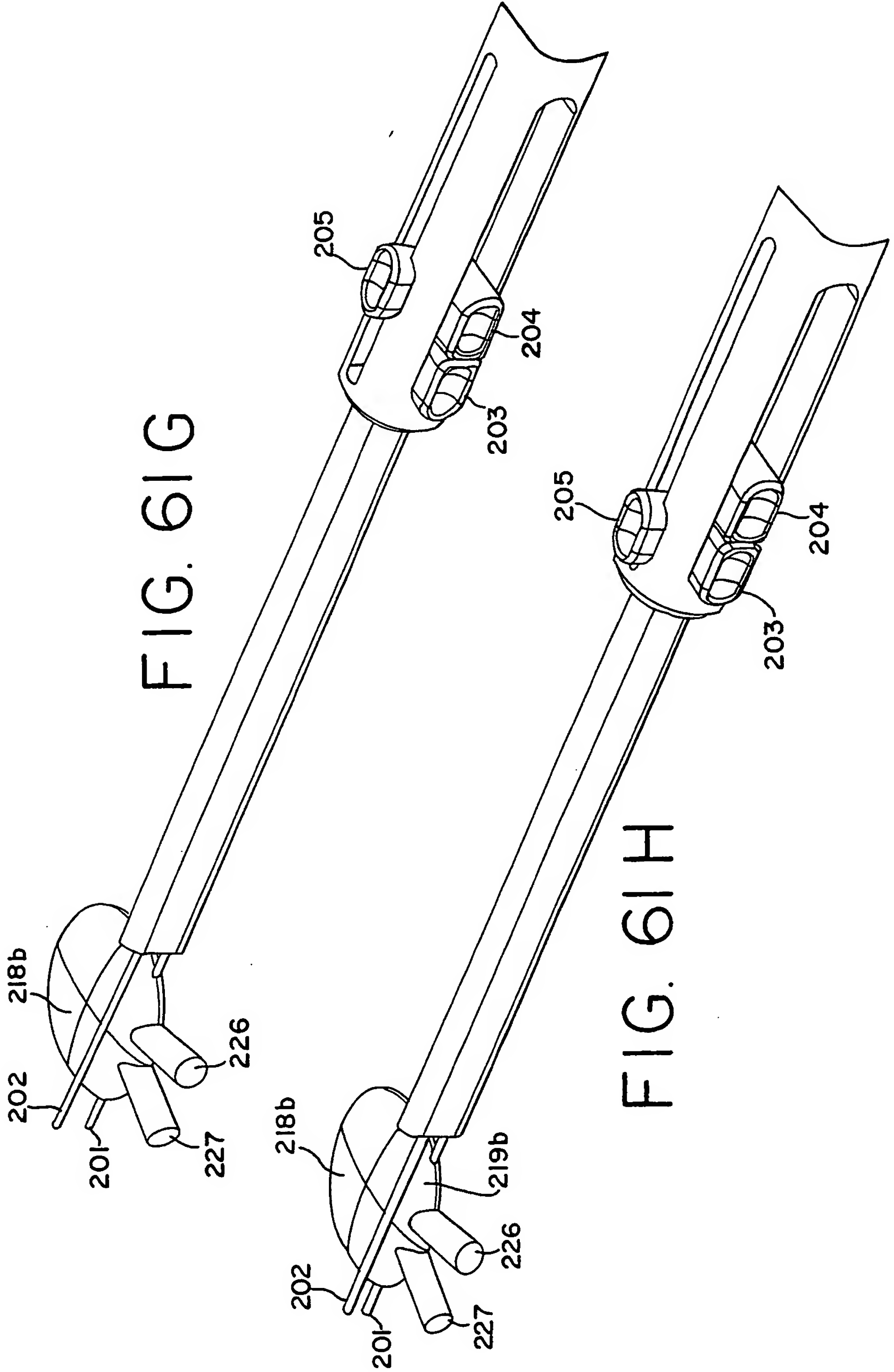




FIG. 6I

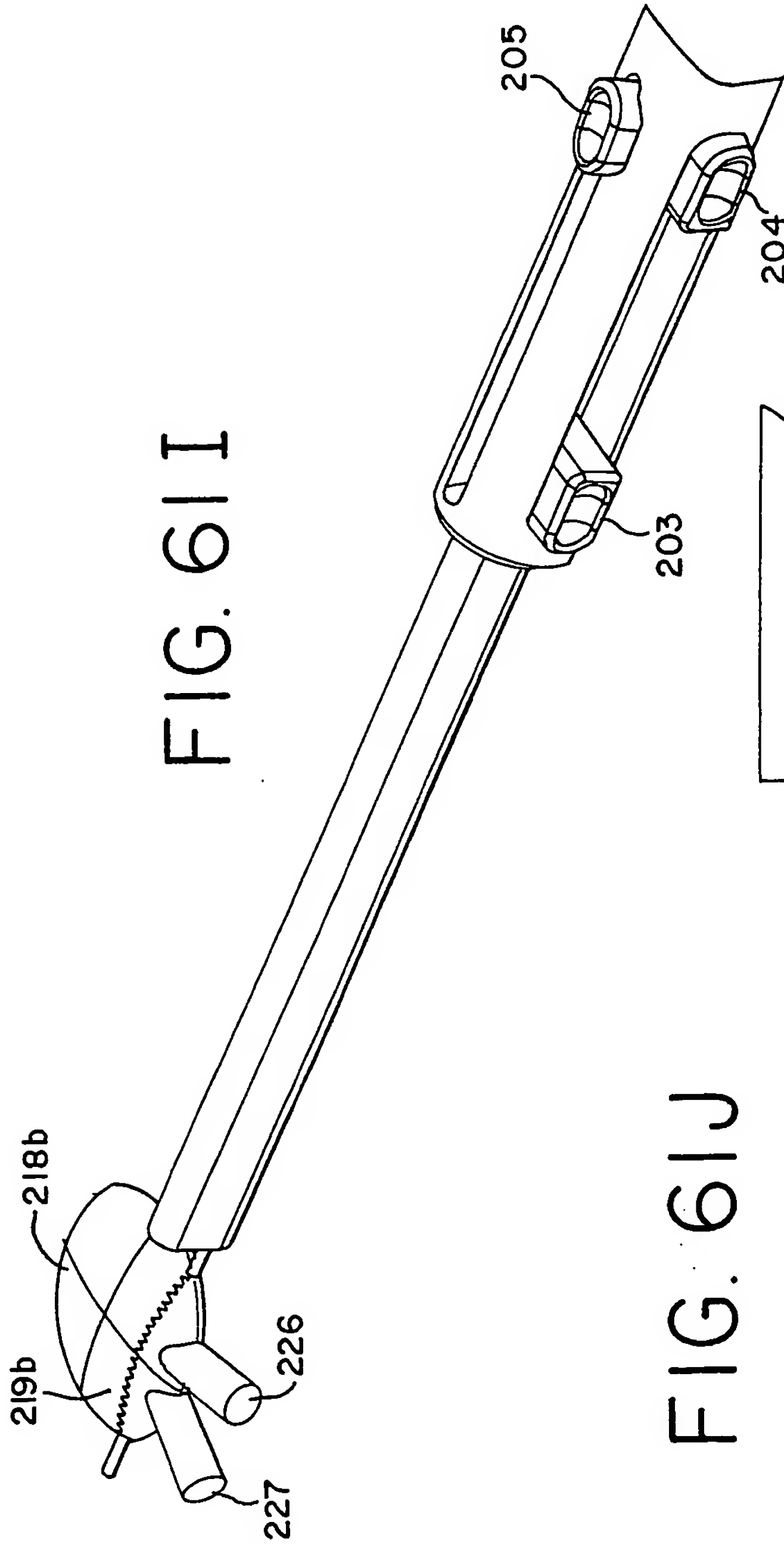


FIG. 6I

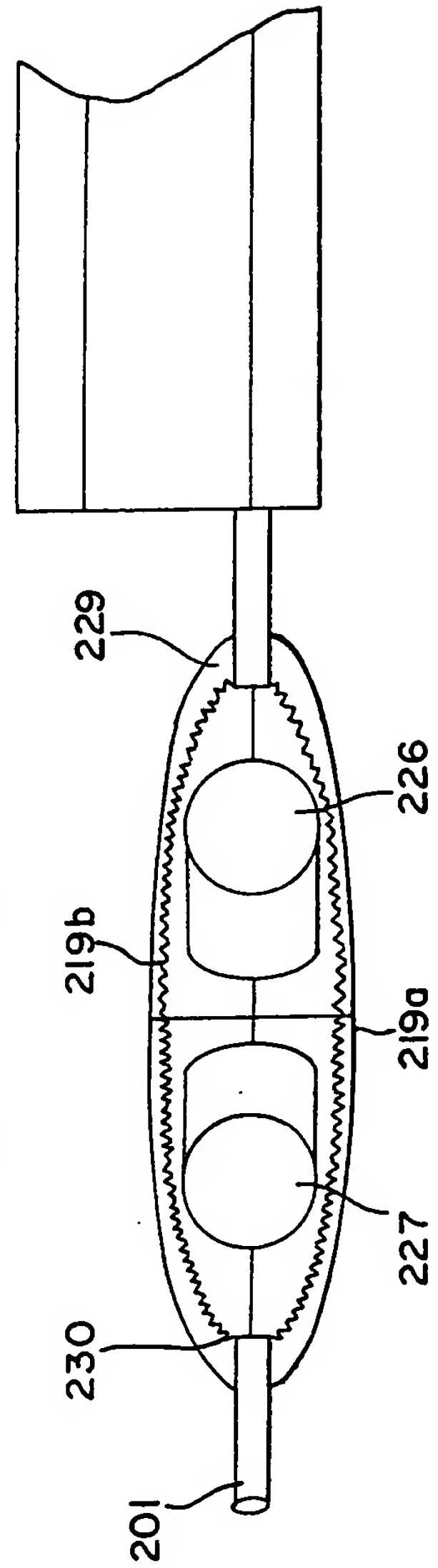




FIG.62A

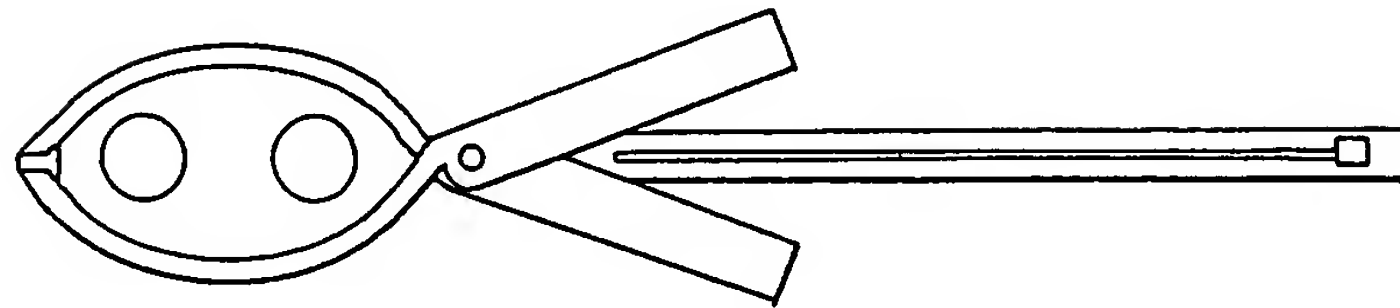


FIG.62B

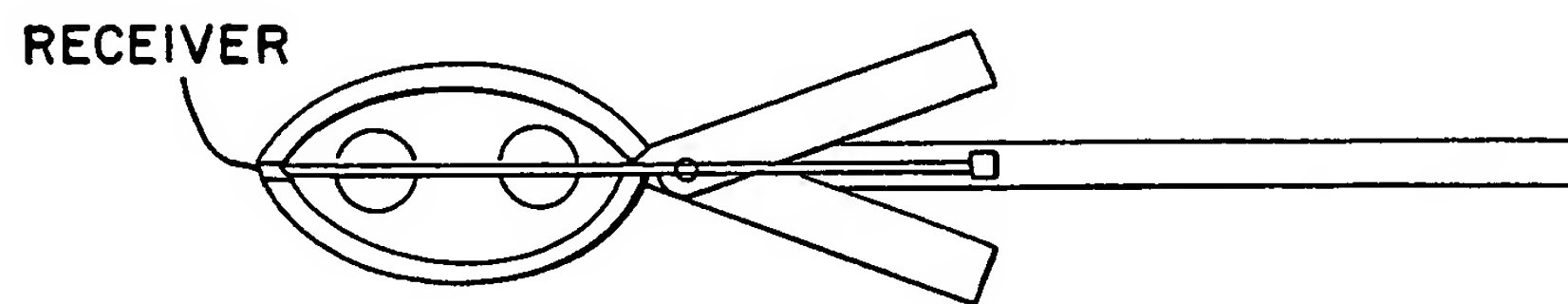


FIG.62C

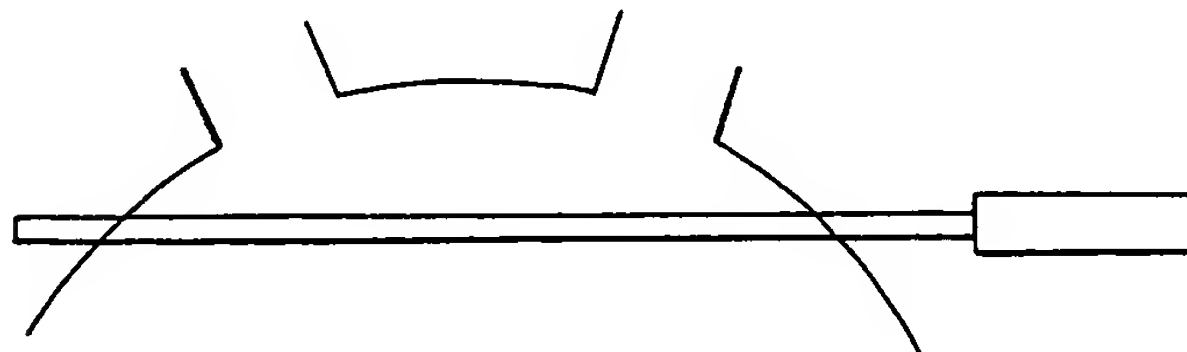




FIG. 62D

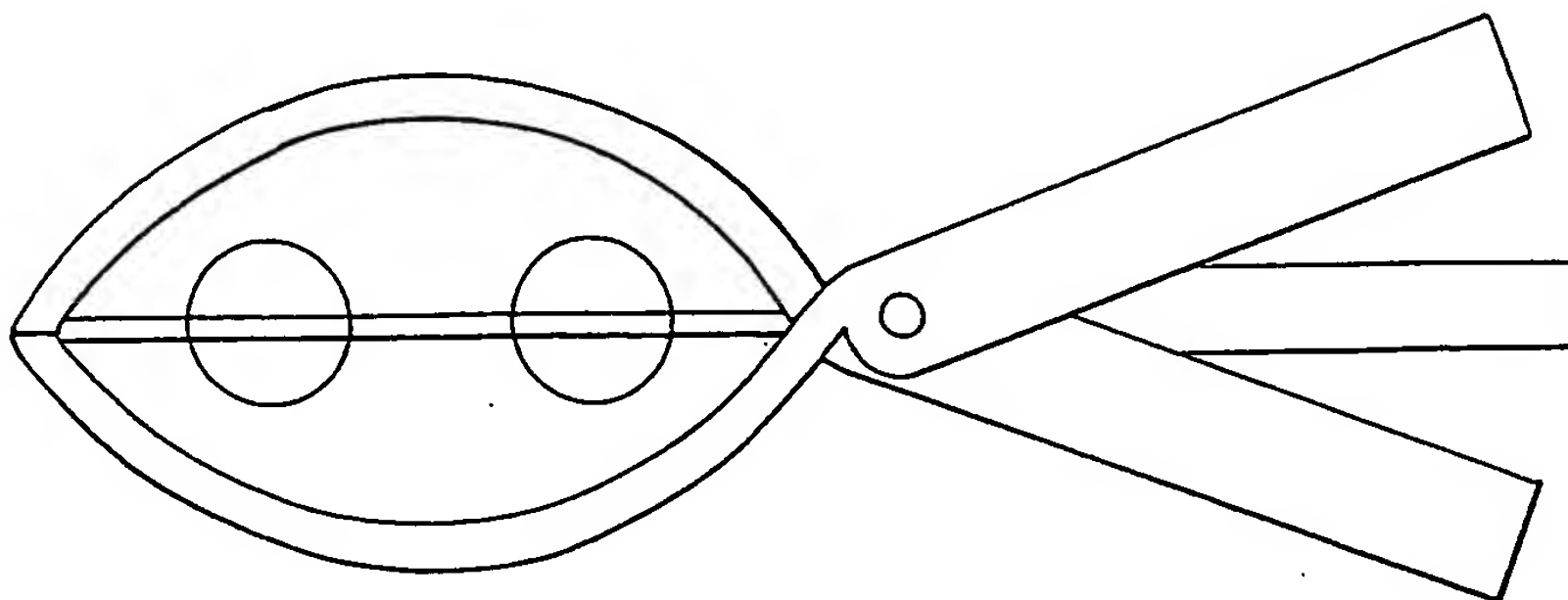


FIG. 62E

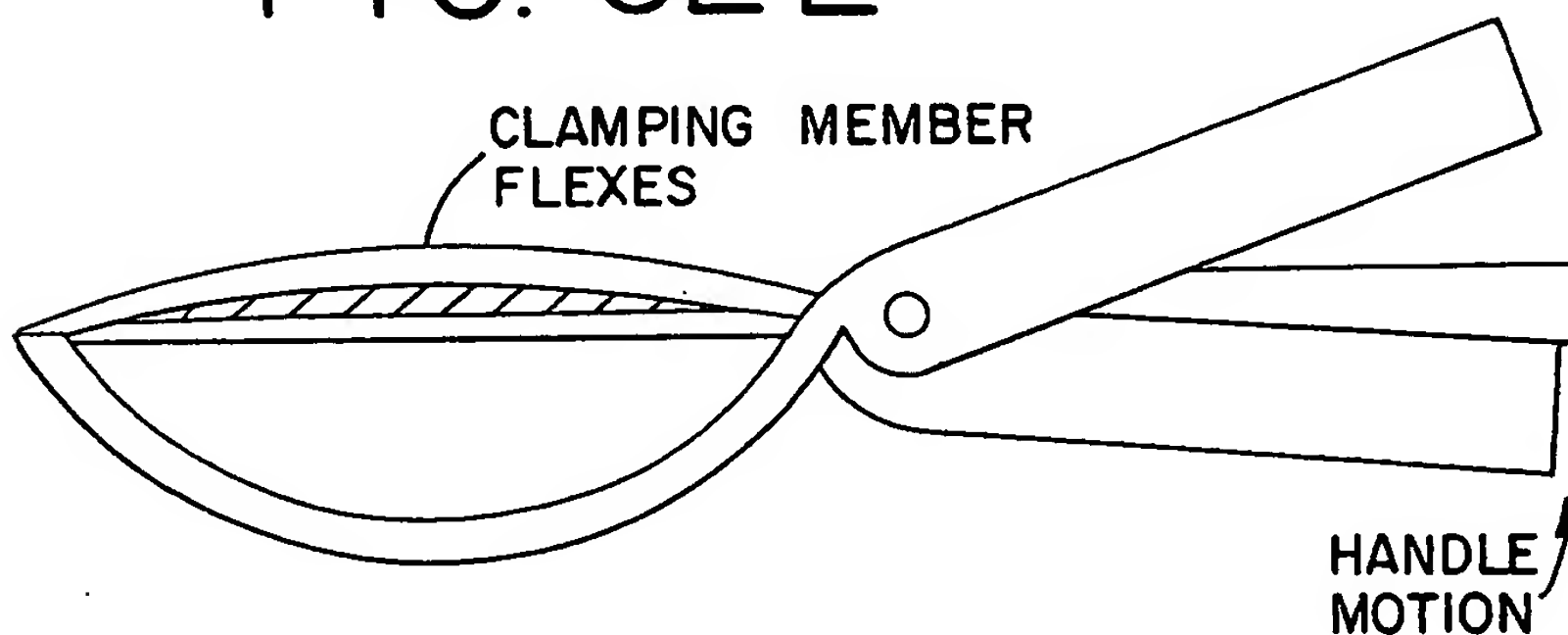


FIG. 62F

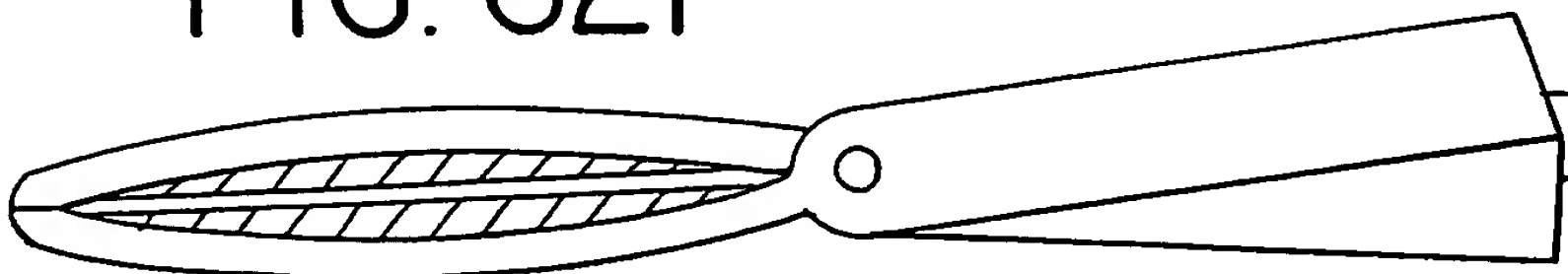




FIG. 62G

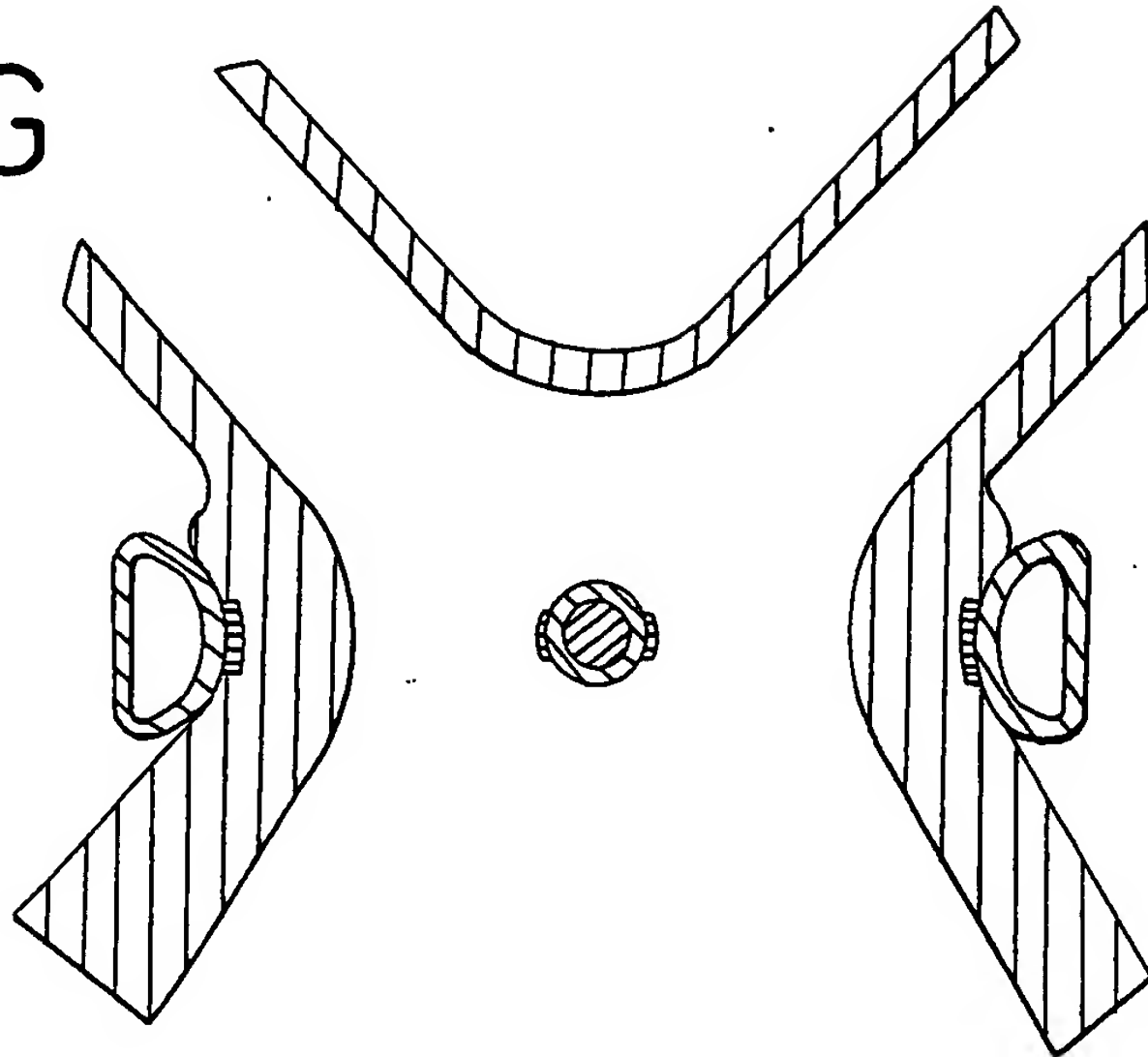


FIG. 62H

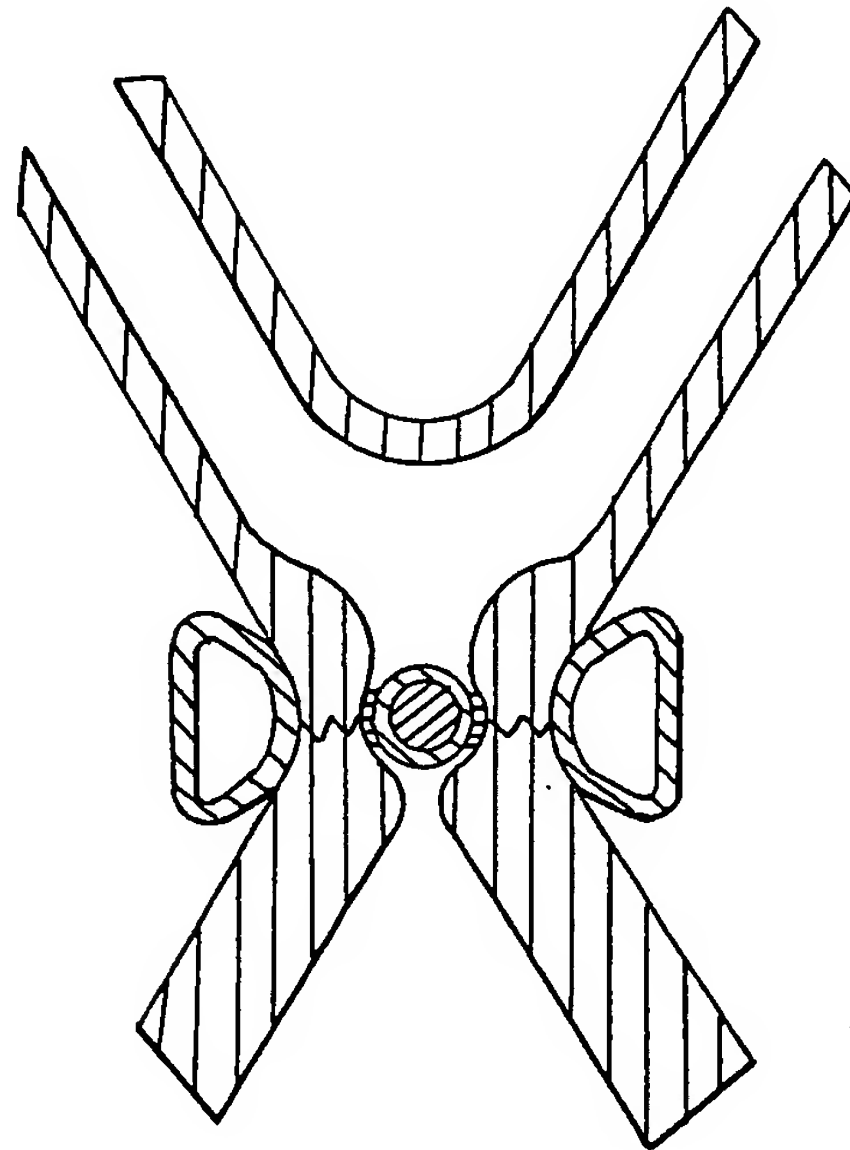
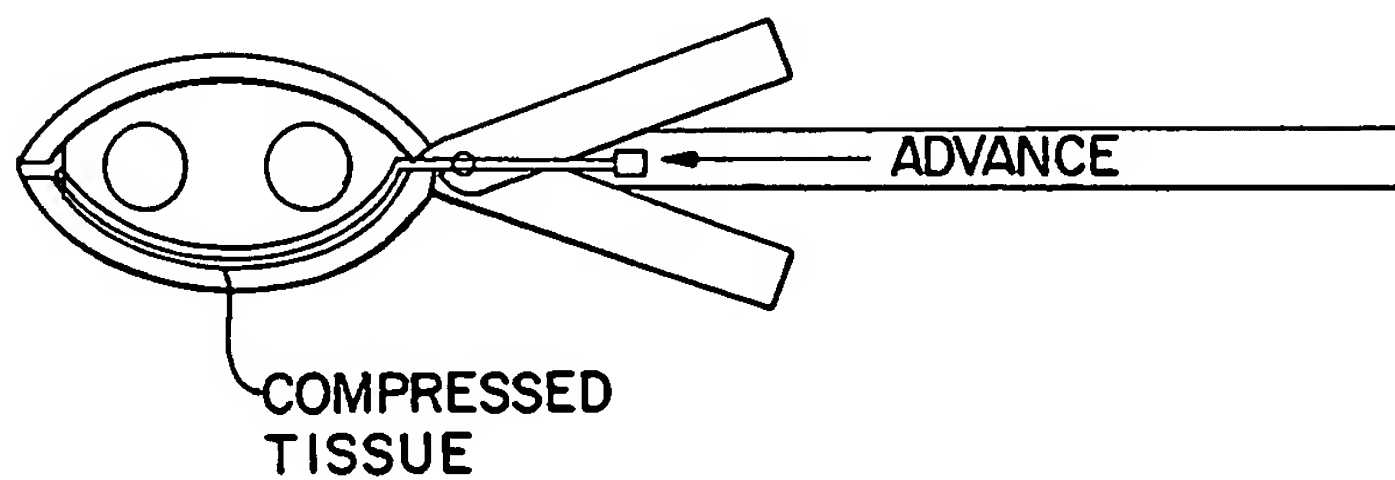


FIG. 62I



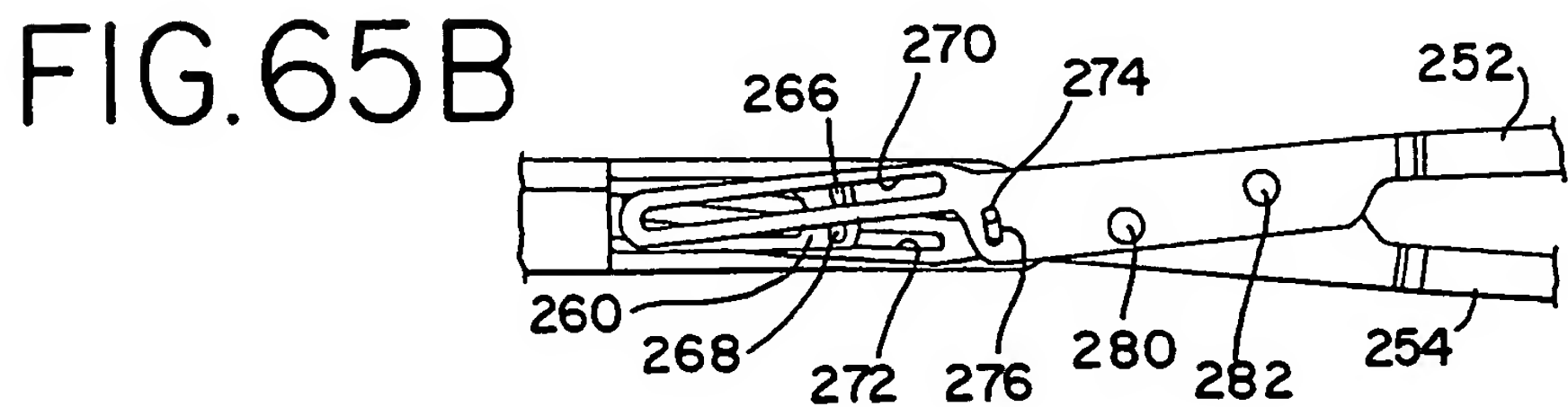
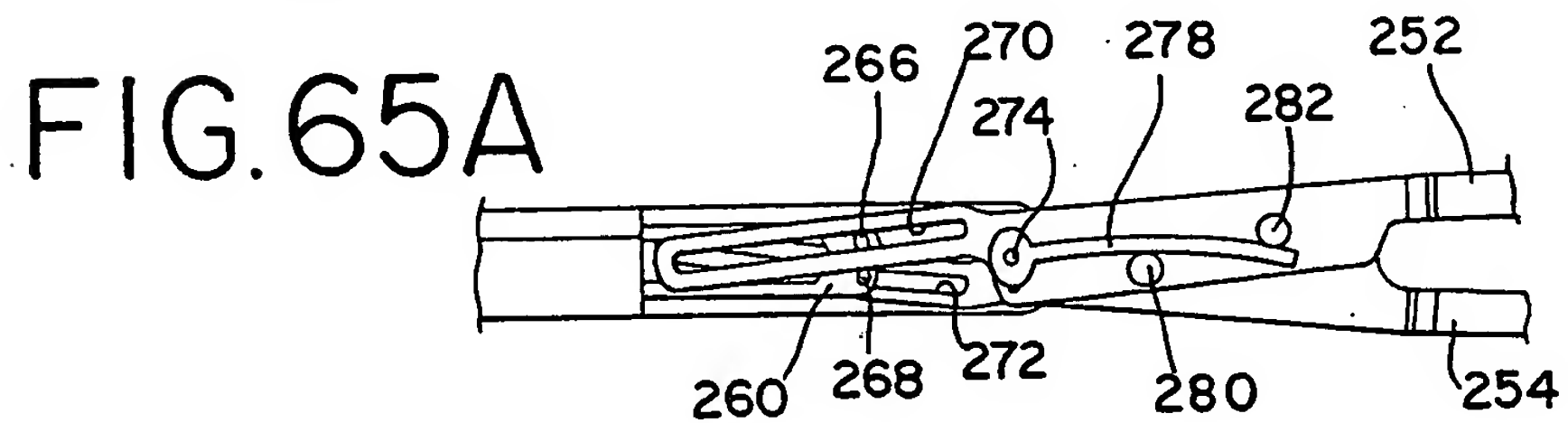
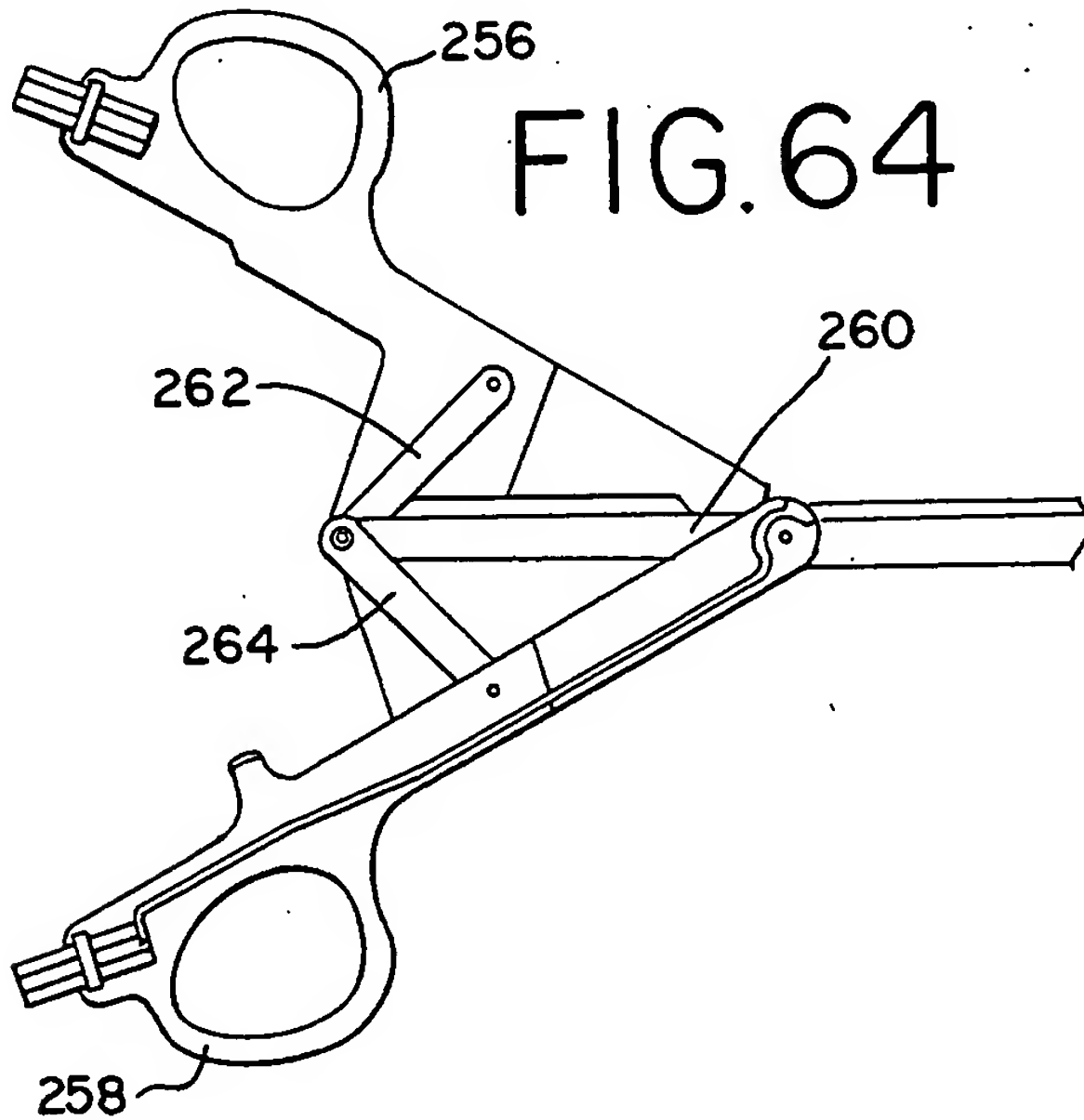
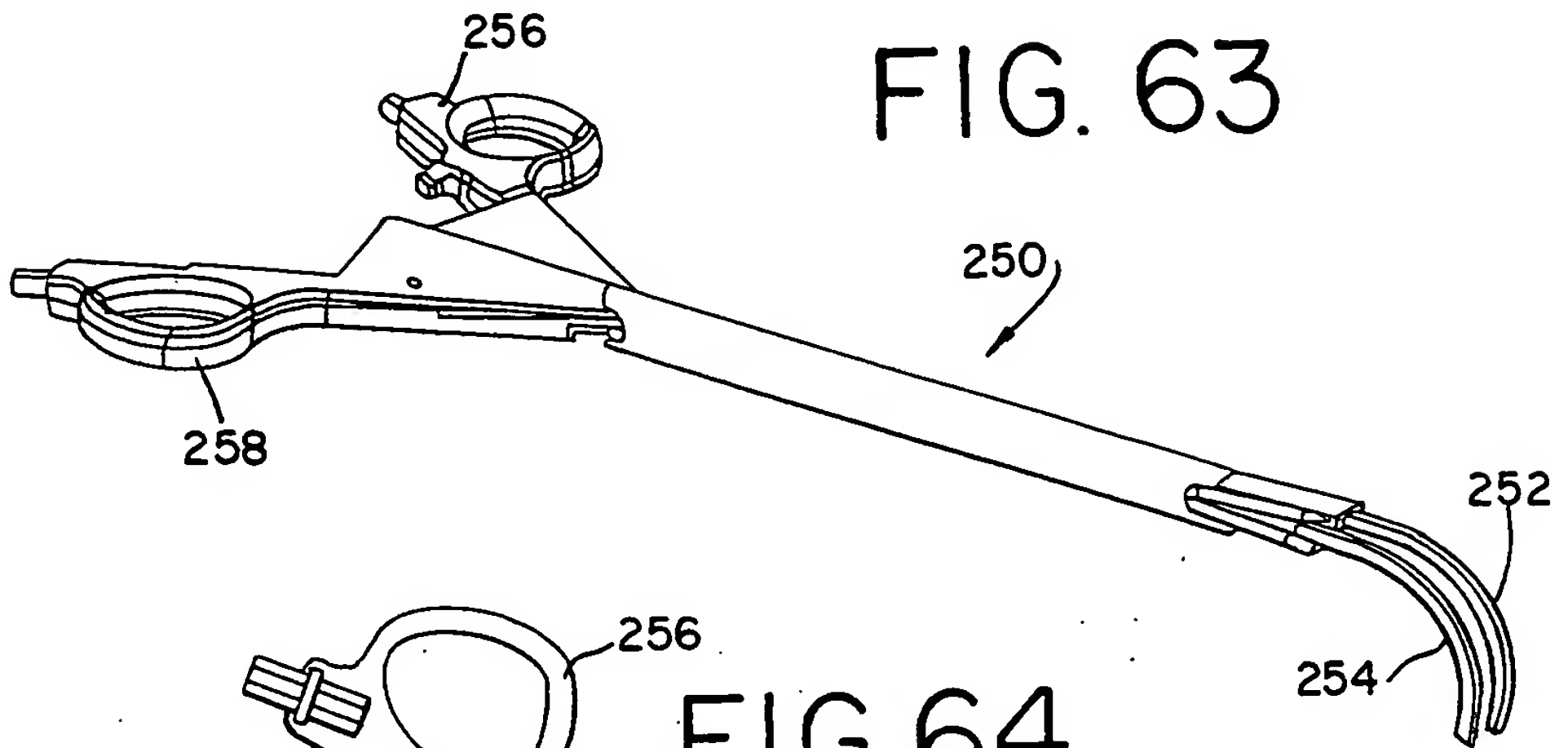




FIG. 66

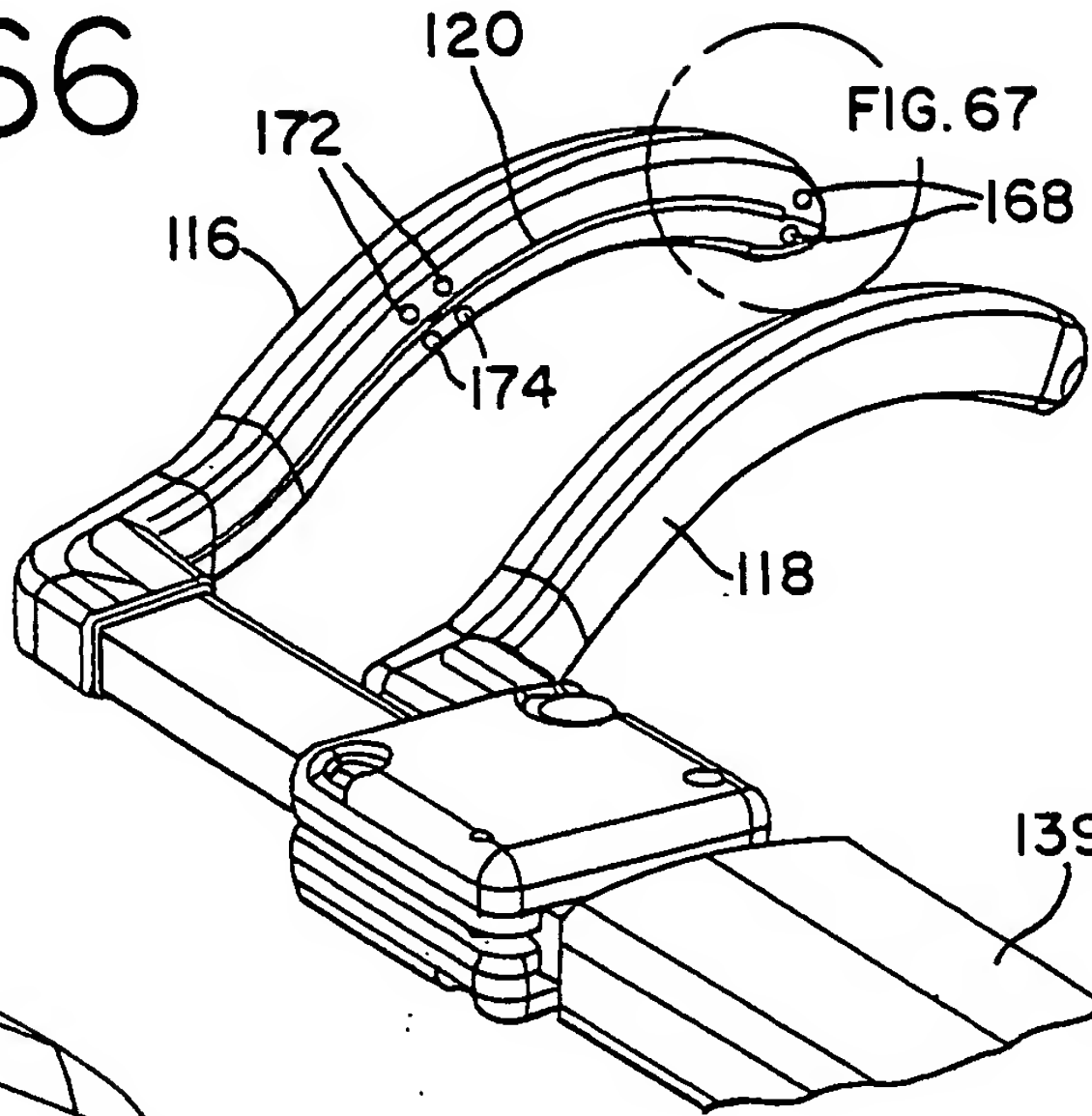


FIG. 67

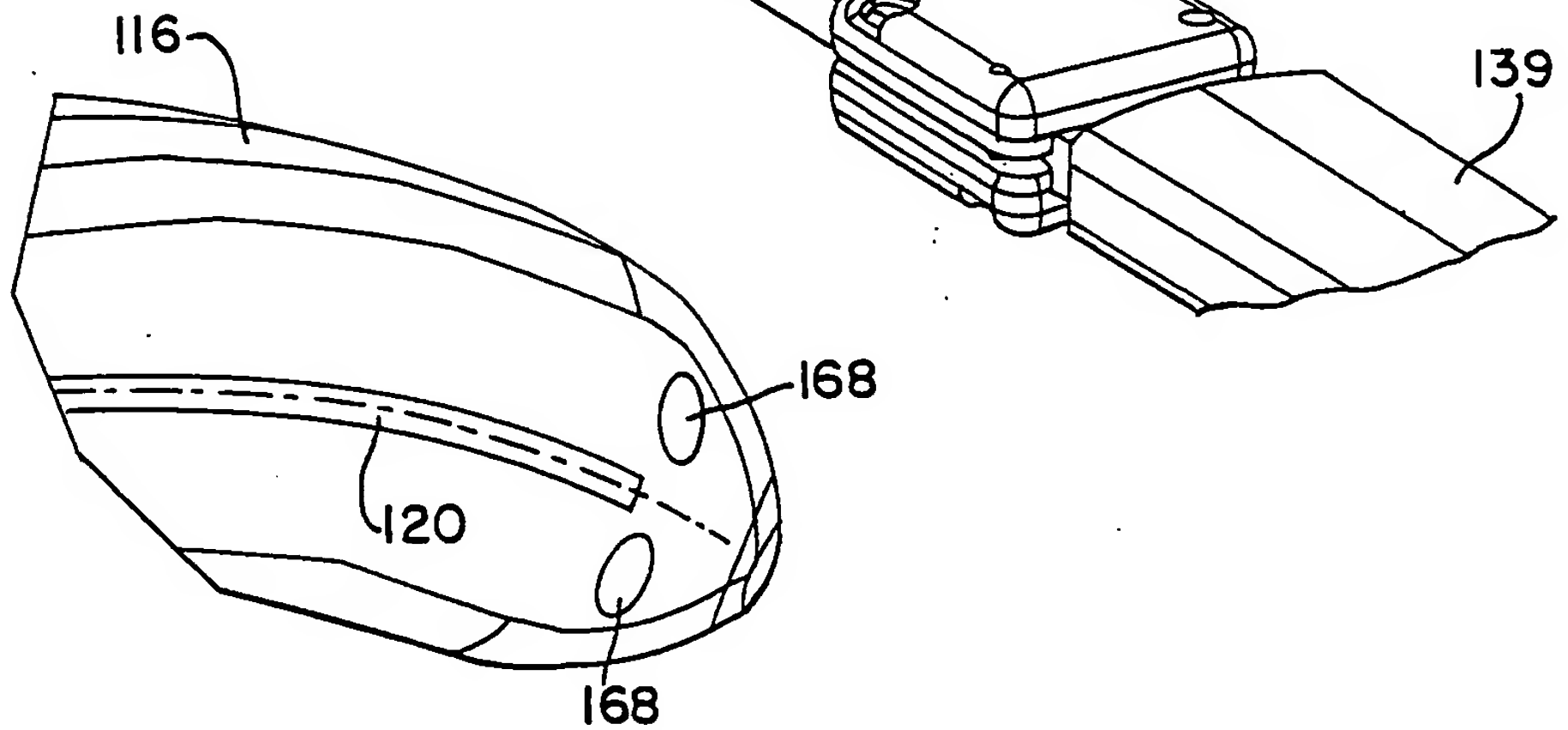


FIG. 68

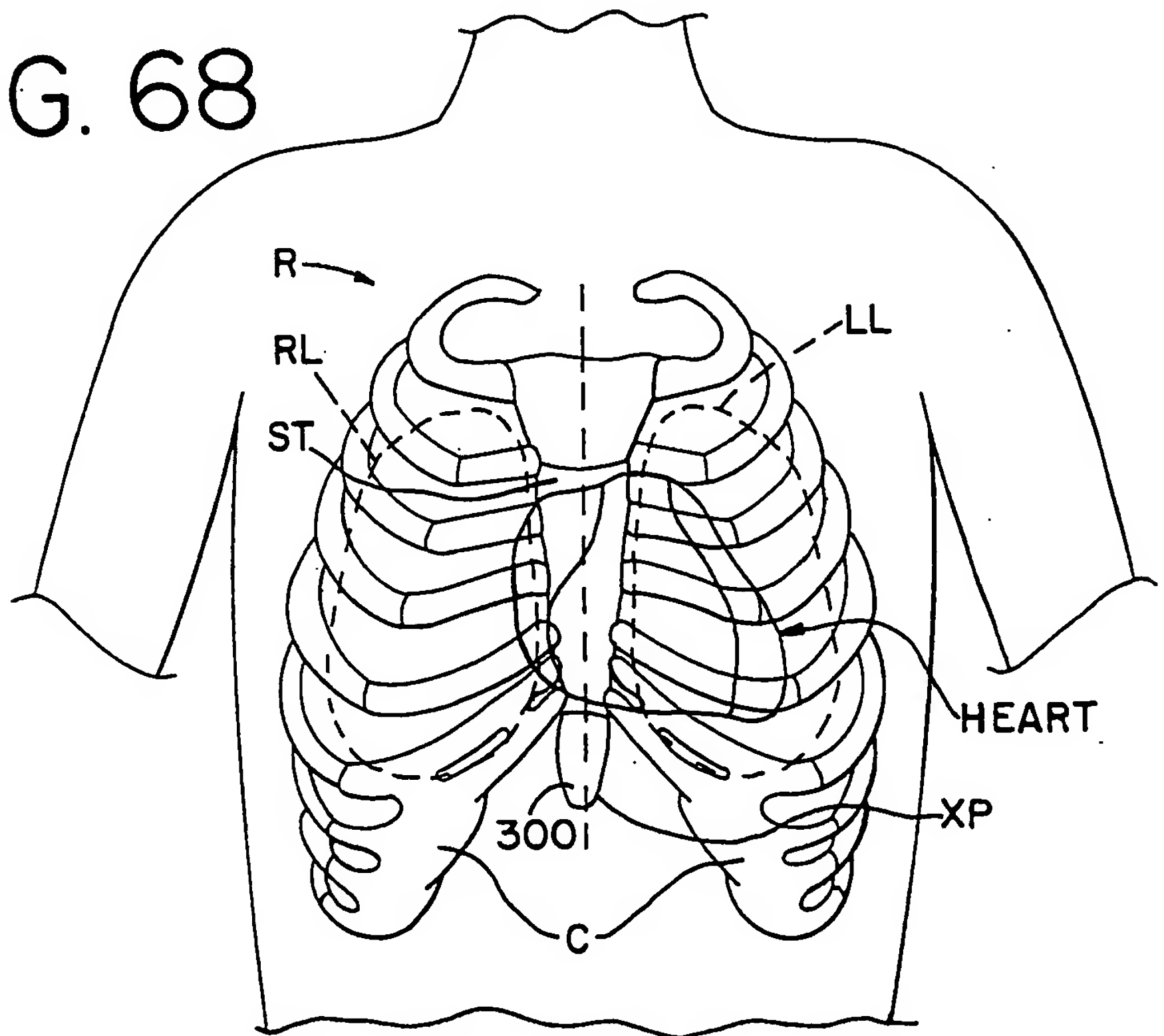




FIG. 69

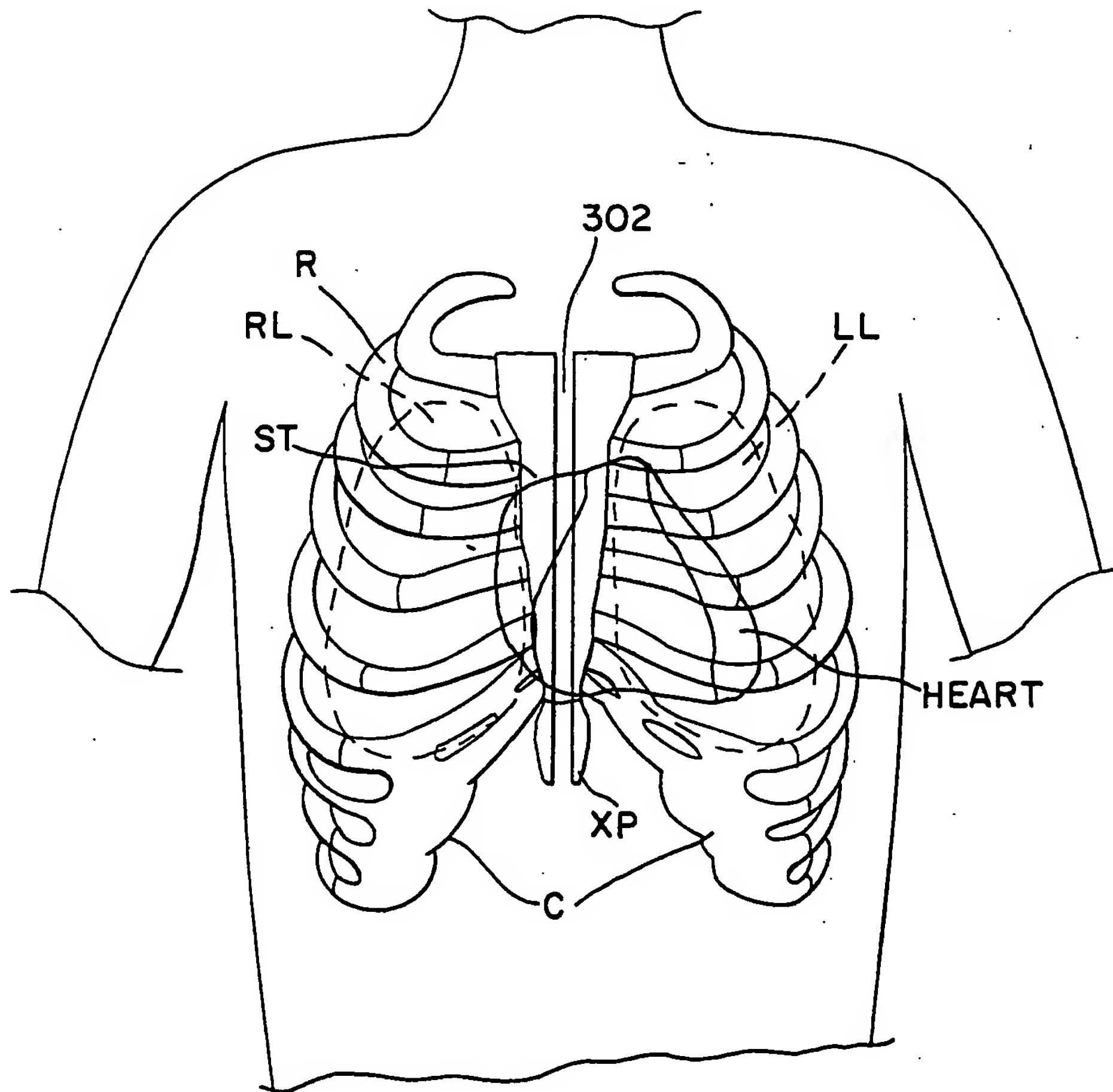




FIG. 70

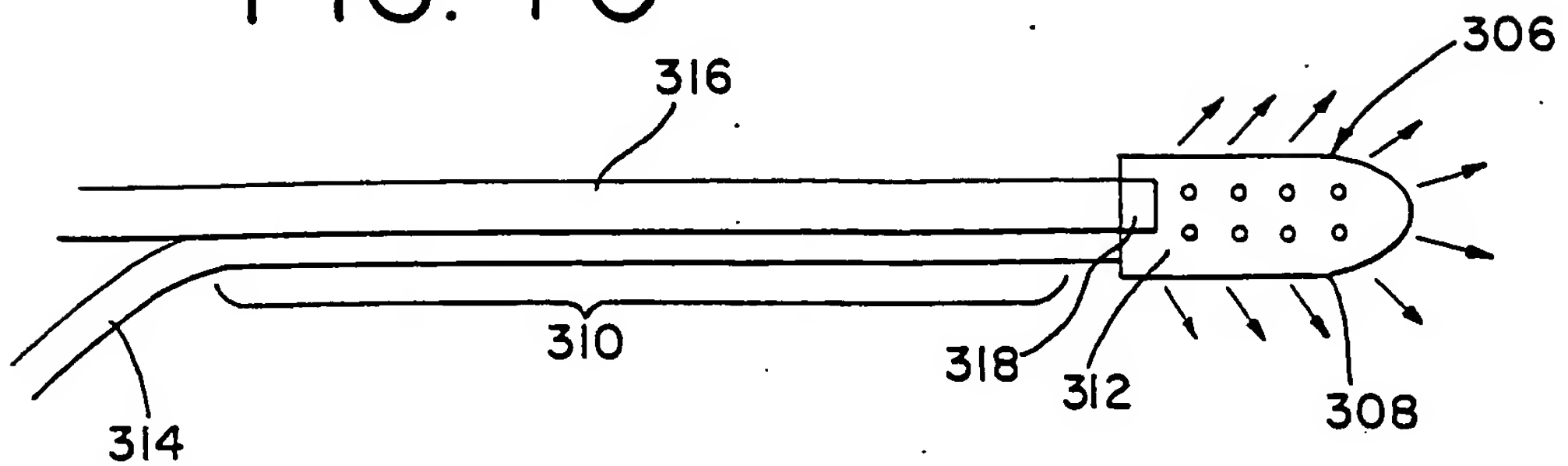


FIG. 71

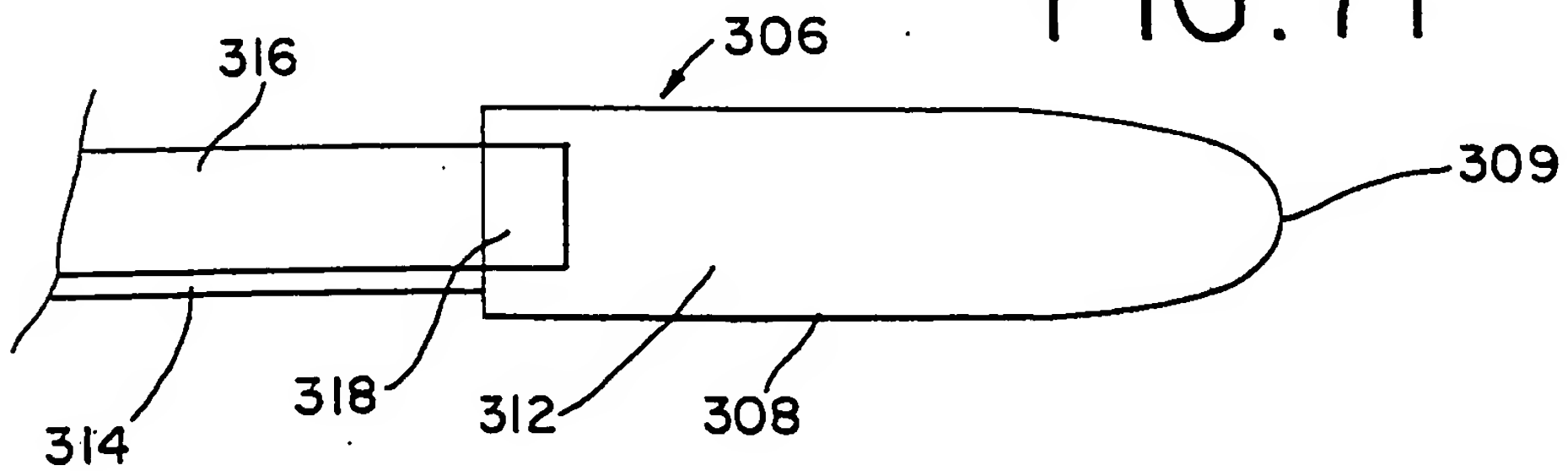


FIG. 72

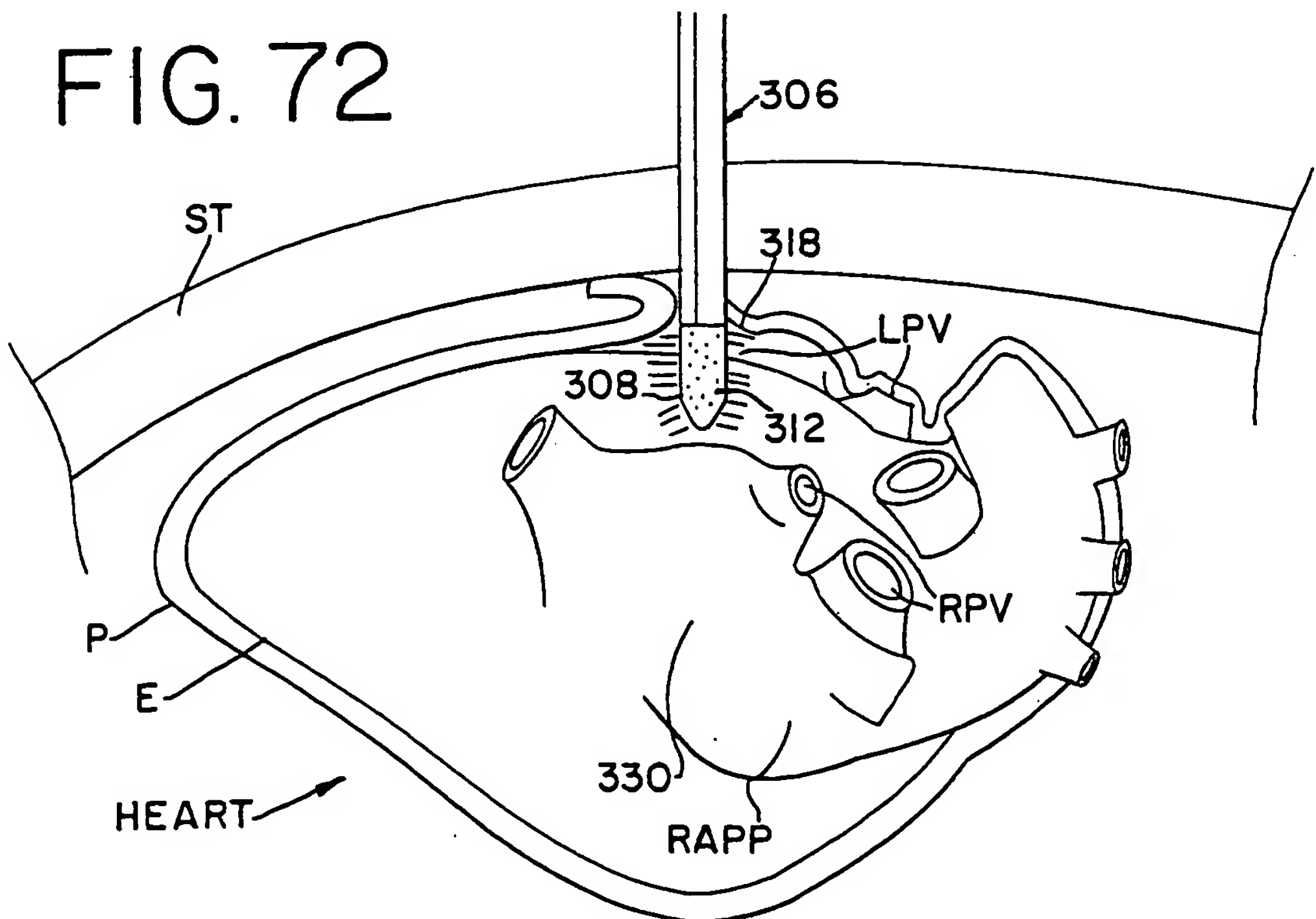


FIG. 73 is a schematic diagram of a thoracic surgical approach. It shows the heart and lungs within a thoracic cavity. Key anatomical structures and instruments are labeled as follows:

- 302**: Points to the superior vena cava (ST).
- ST**: Superior vena cava.
- R**: Right lung.
- RL**: Right lower lung.
- RPV**: Right pulmonary vein.
- LPV**: Left pulmonary vein.
- P**: Pericardium.
- E**: Esophagus.
- LL**: Left lower lung.
- 304**: Multiple lines representing surgical instruments or sutures across the thoracic cavity.
- 306**: Points to specific surgical instruments or sutures.
- 319**: Points to a surgical instrument, likely a stapler or clip applier.
- 321**: Points to a surgical instrument, likely a stapler or clip applier.

Diagram illustrating the anatomical locations for catheter placement (numbered 1 through 11) on the heart, specifically focusing on the atria and associated structures.

Key anatomical features labeled include:

- LEFT APPENDAGE
- RT APPENDAGE
- SVC (Superior Vena Cava)
- IVC (Inferior Vena Cava)
- MITRAL ANNULUS
- CORONARY SINUS
- CORONARY ARTERY
- TRICUSPID VALVE ANNULUS

Numbered points indicating catheter locations:

- 1: Mitral Annulus (Anterior)
- 2: Mitral Annulus (Posterior)
- 3: Coronary Sinus (Anterior)
- 4: Coronary Sinus (Posterior)
- 5: IVC (Superior)
- 6: IVC (Inferior)
- 7: Tricuspid Valve Annulus (Anterior)
- 8A: Right Atrium (Anterior)
- 8B: Right Atrium (Posterior)
- 9: Right Appendage
- 10: Left Atrium
- 11: Left Appendage



FIG. 75

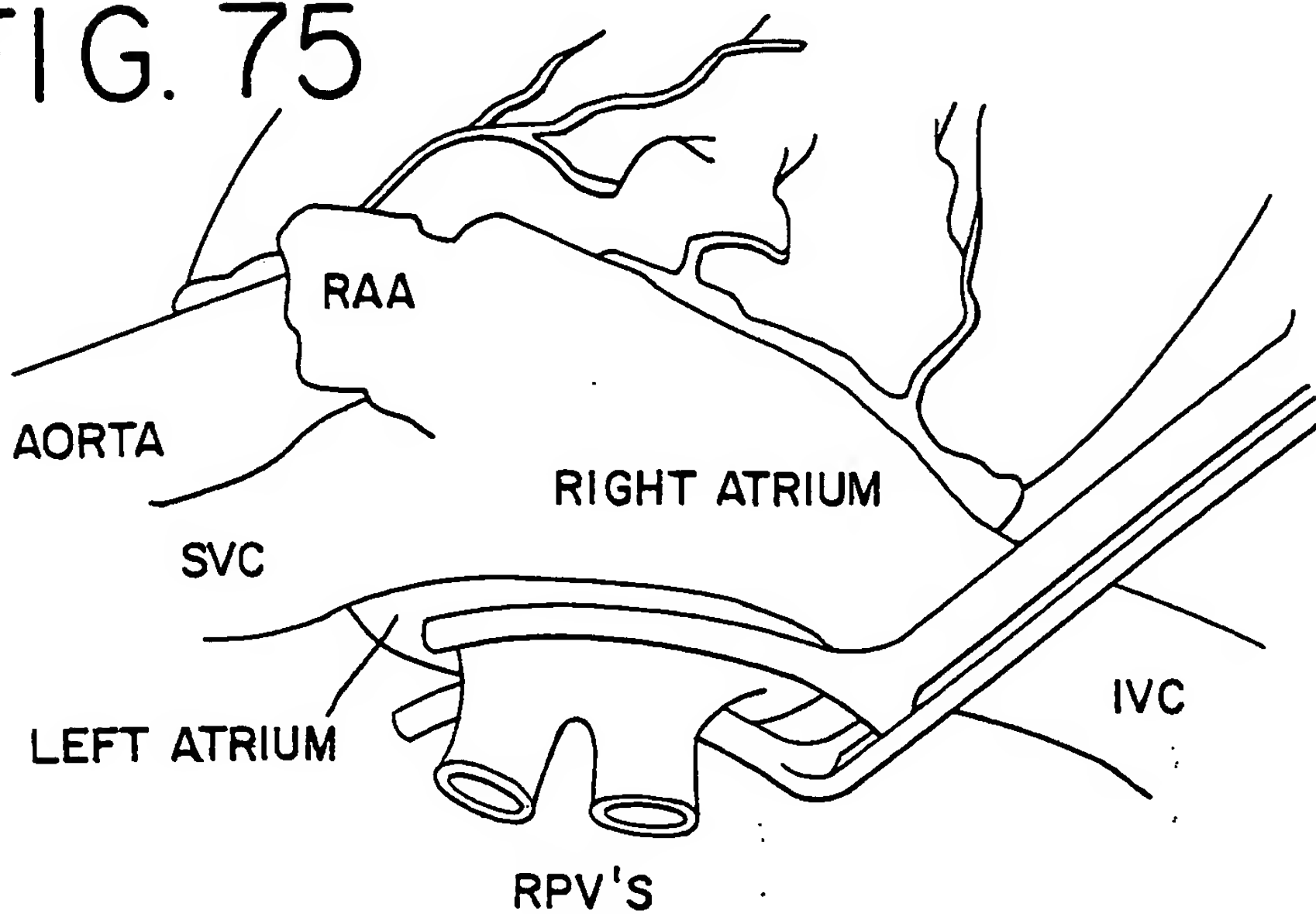


FIG. 76

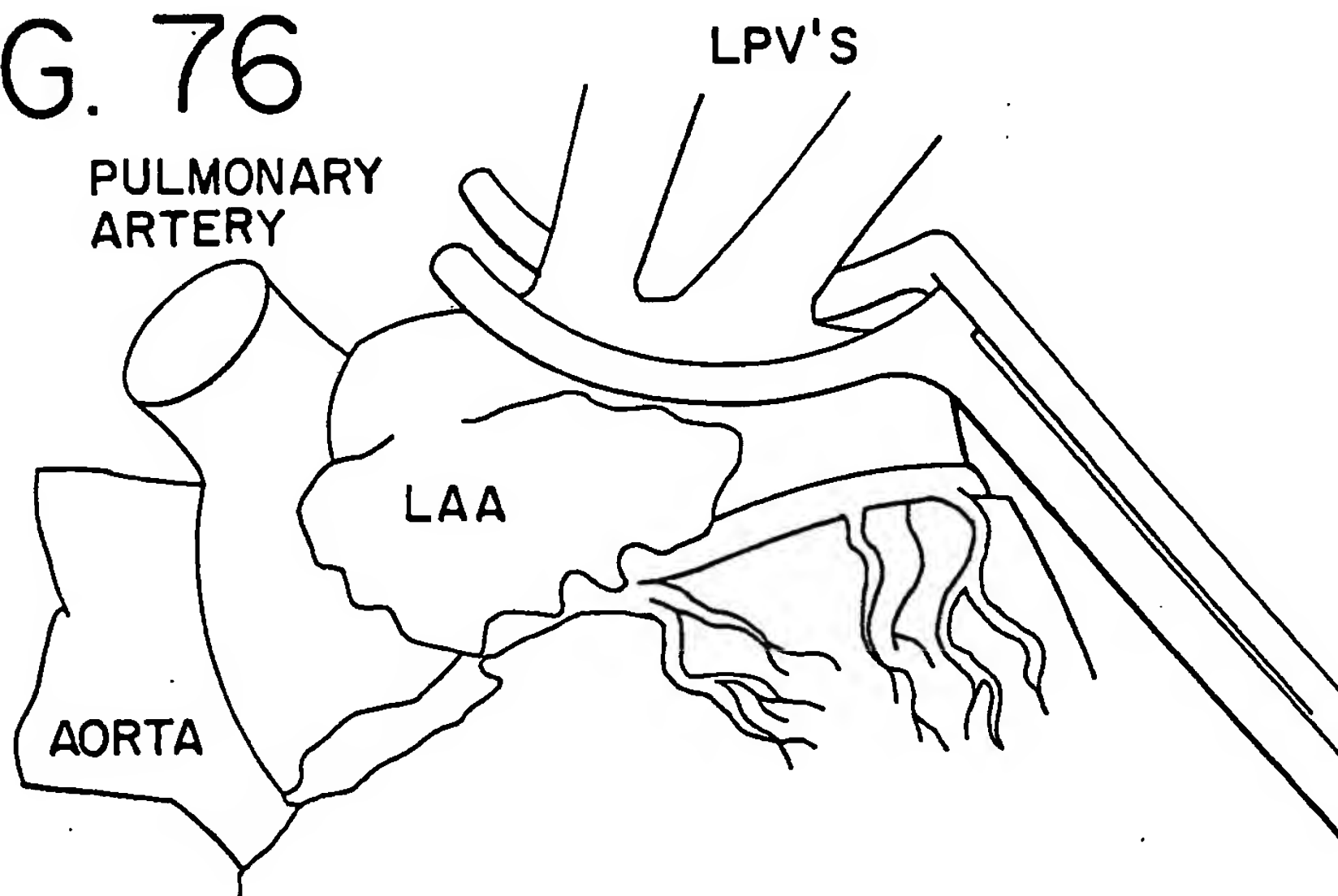


FIG. 77

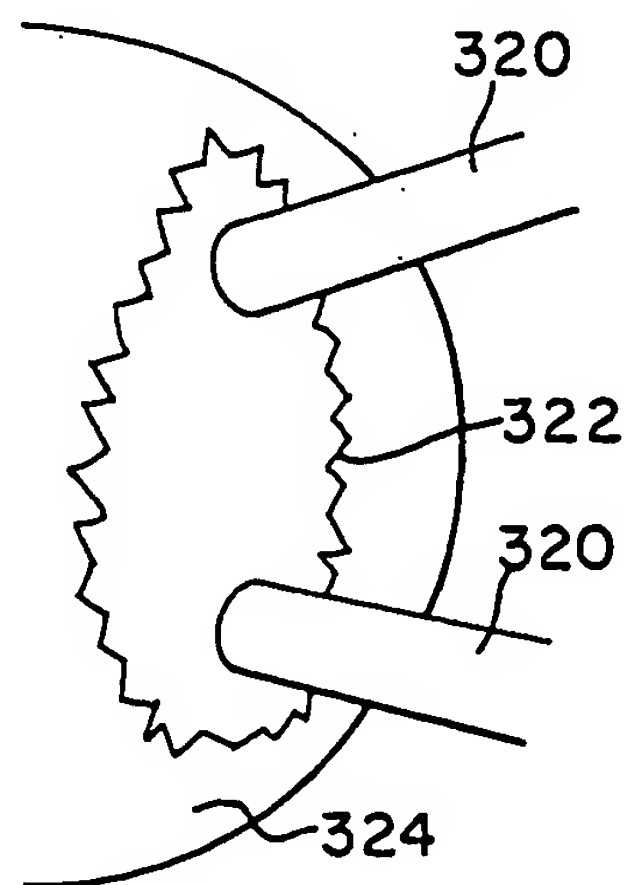




FIG. 78

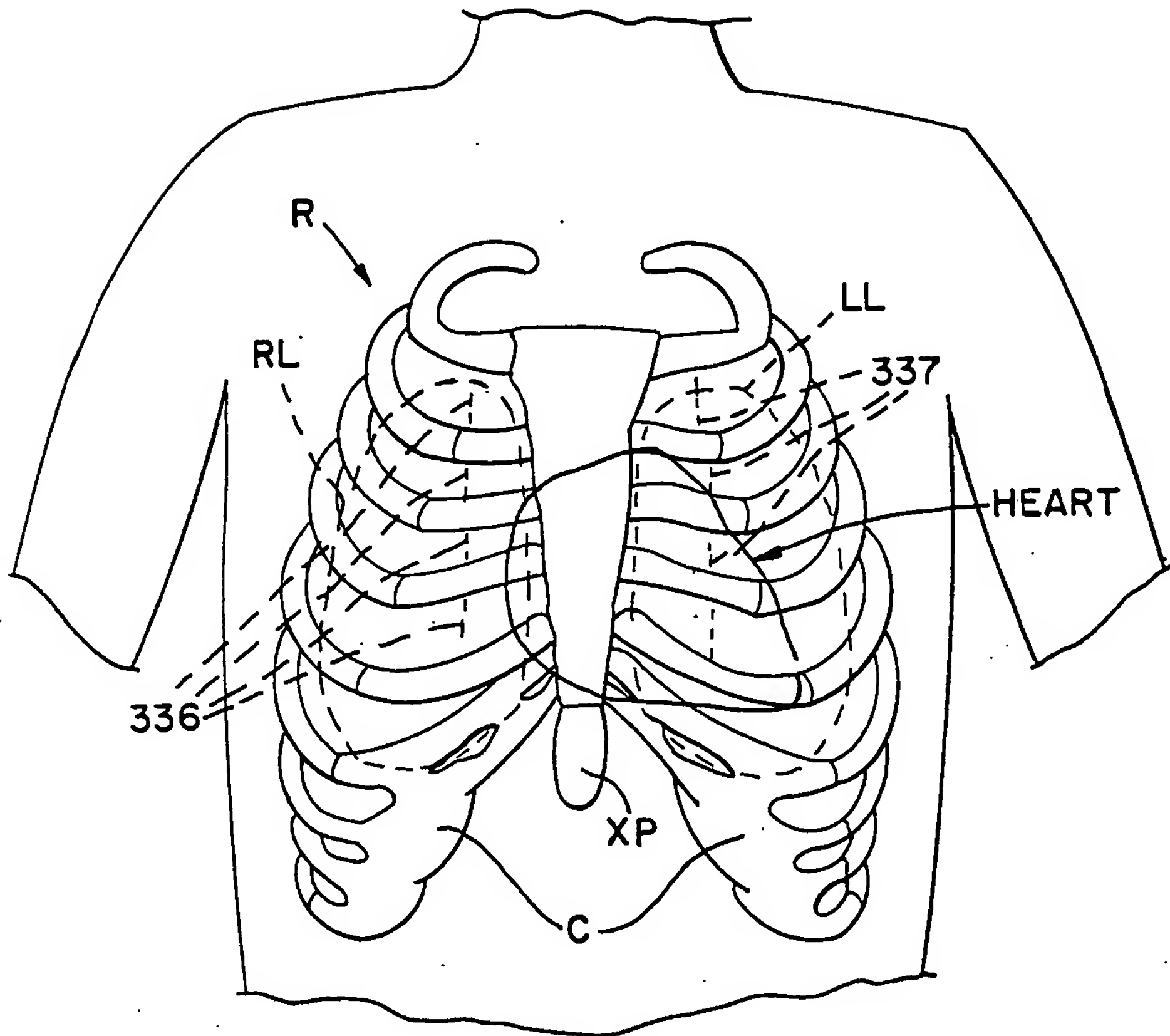


FIG. 79

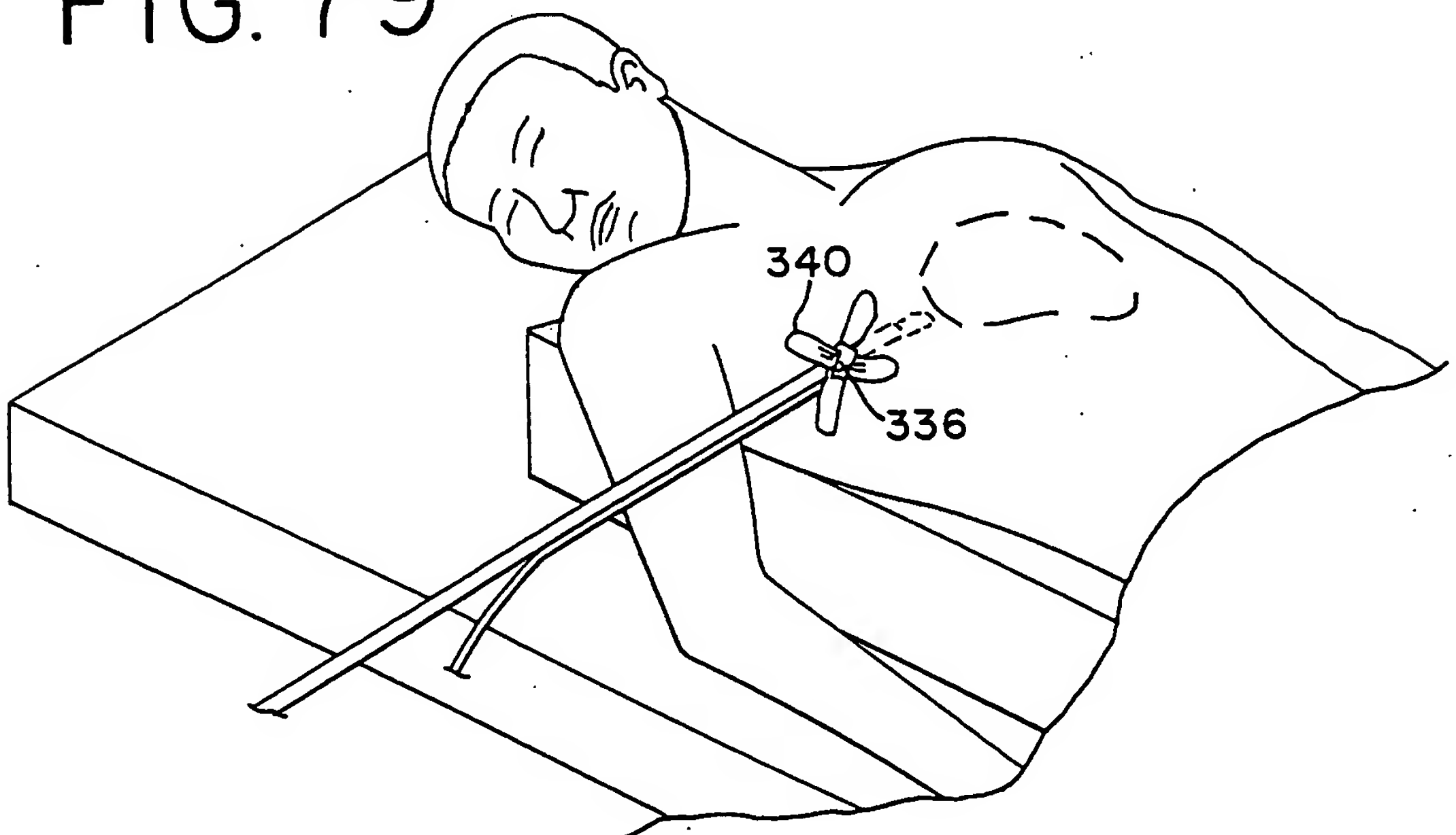




FIG. 80

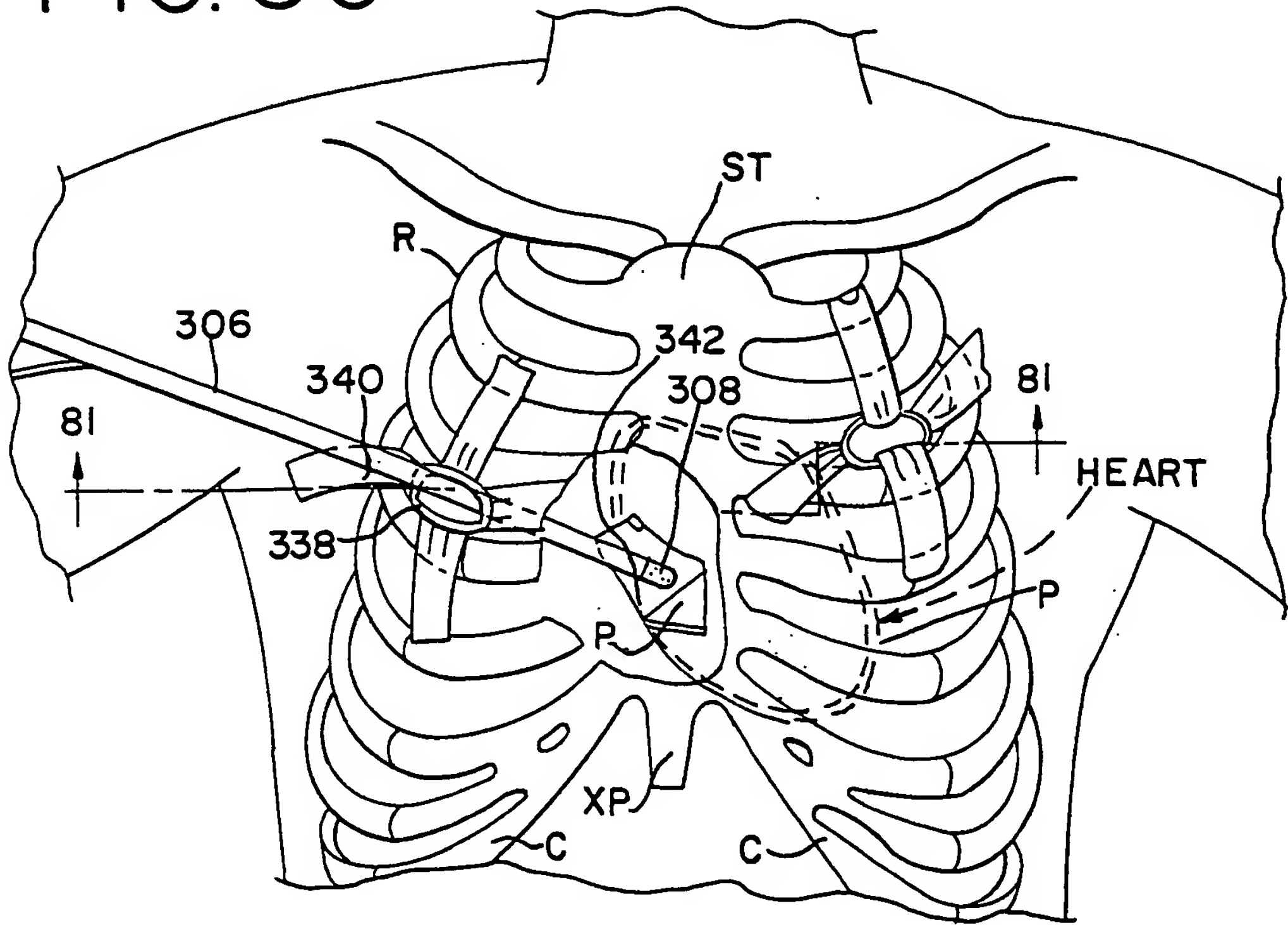


FIG. 81

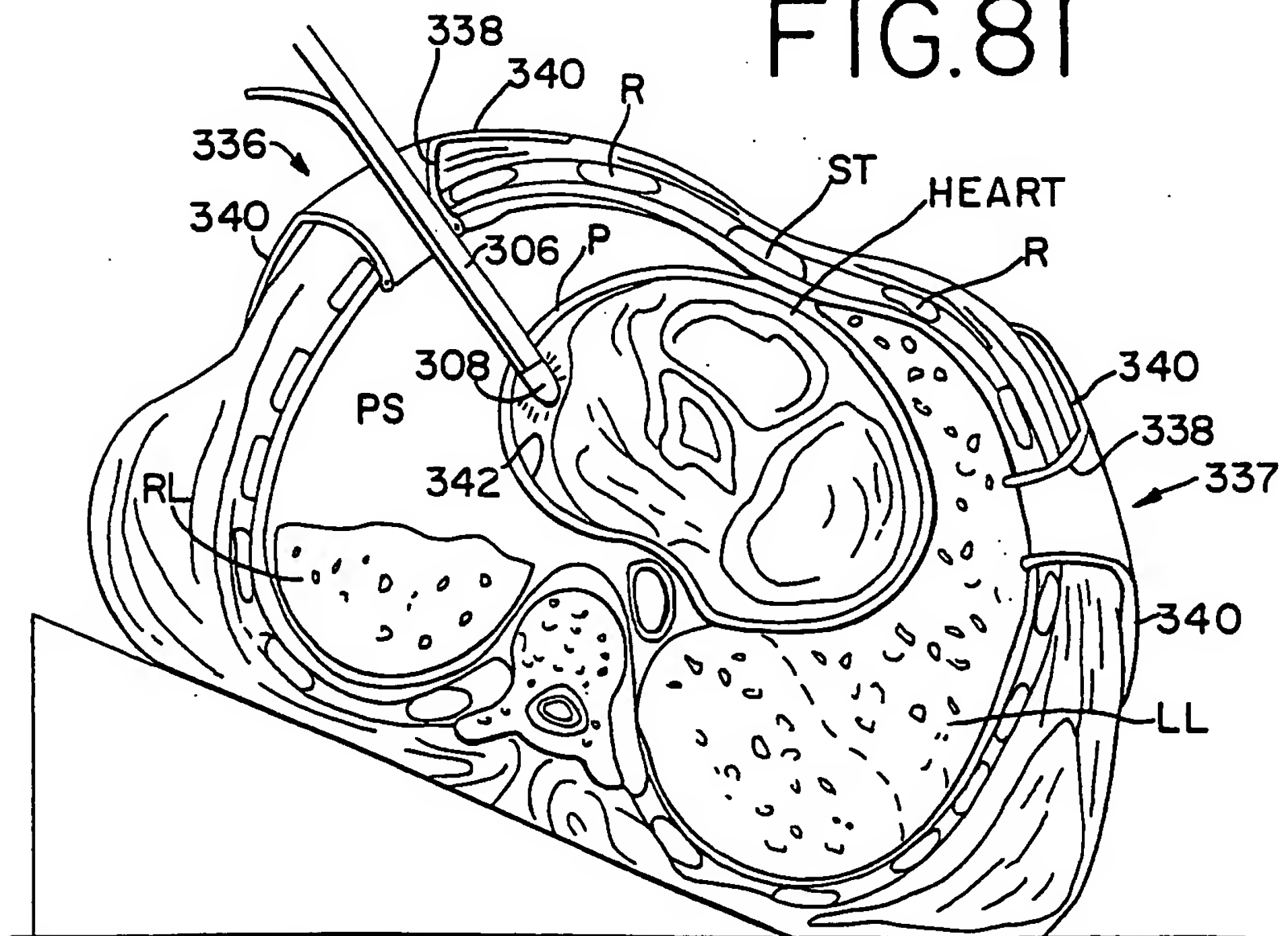
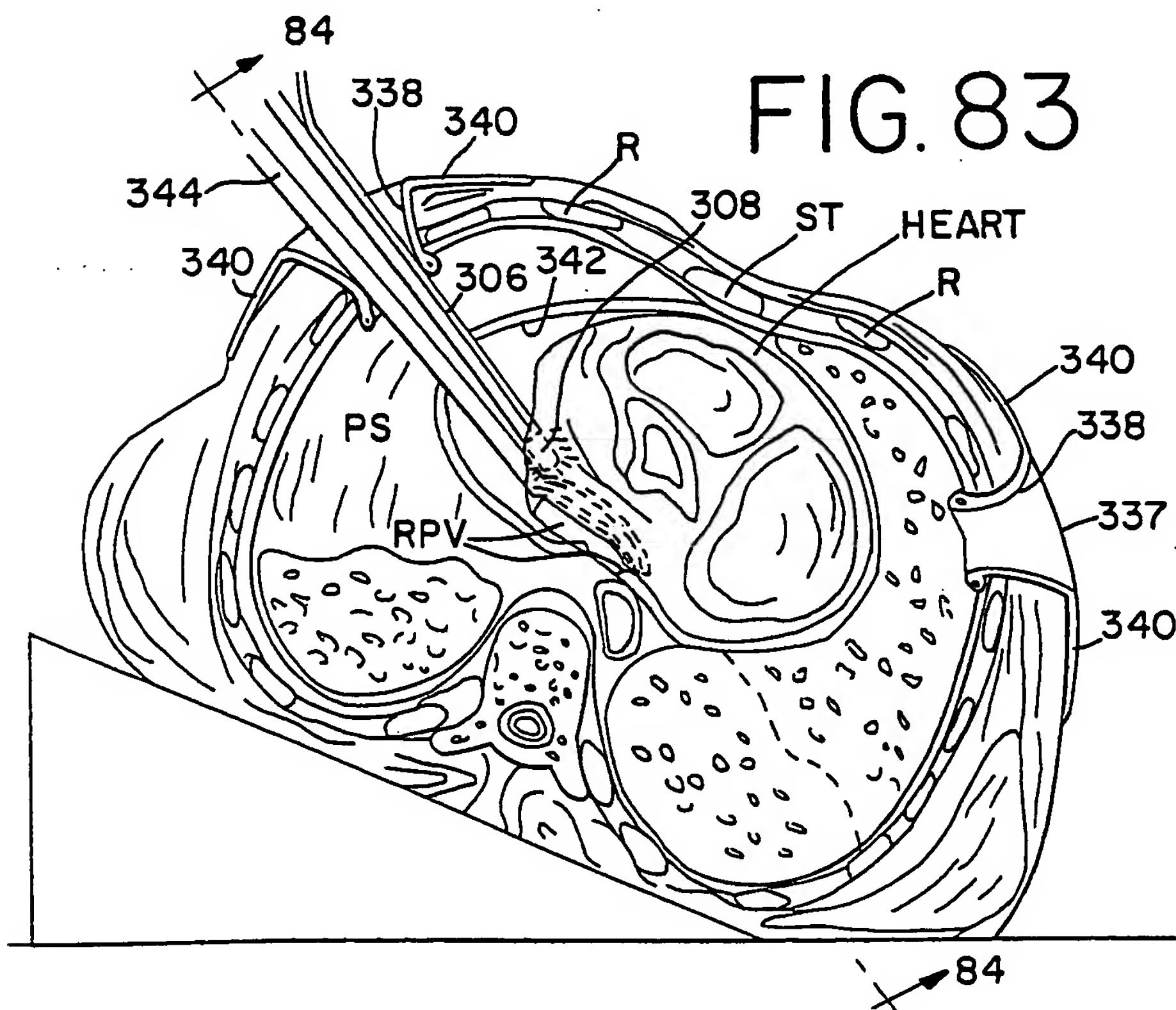
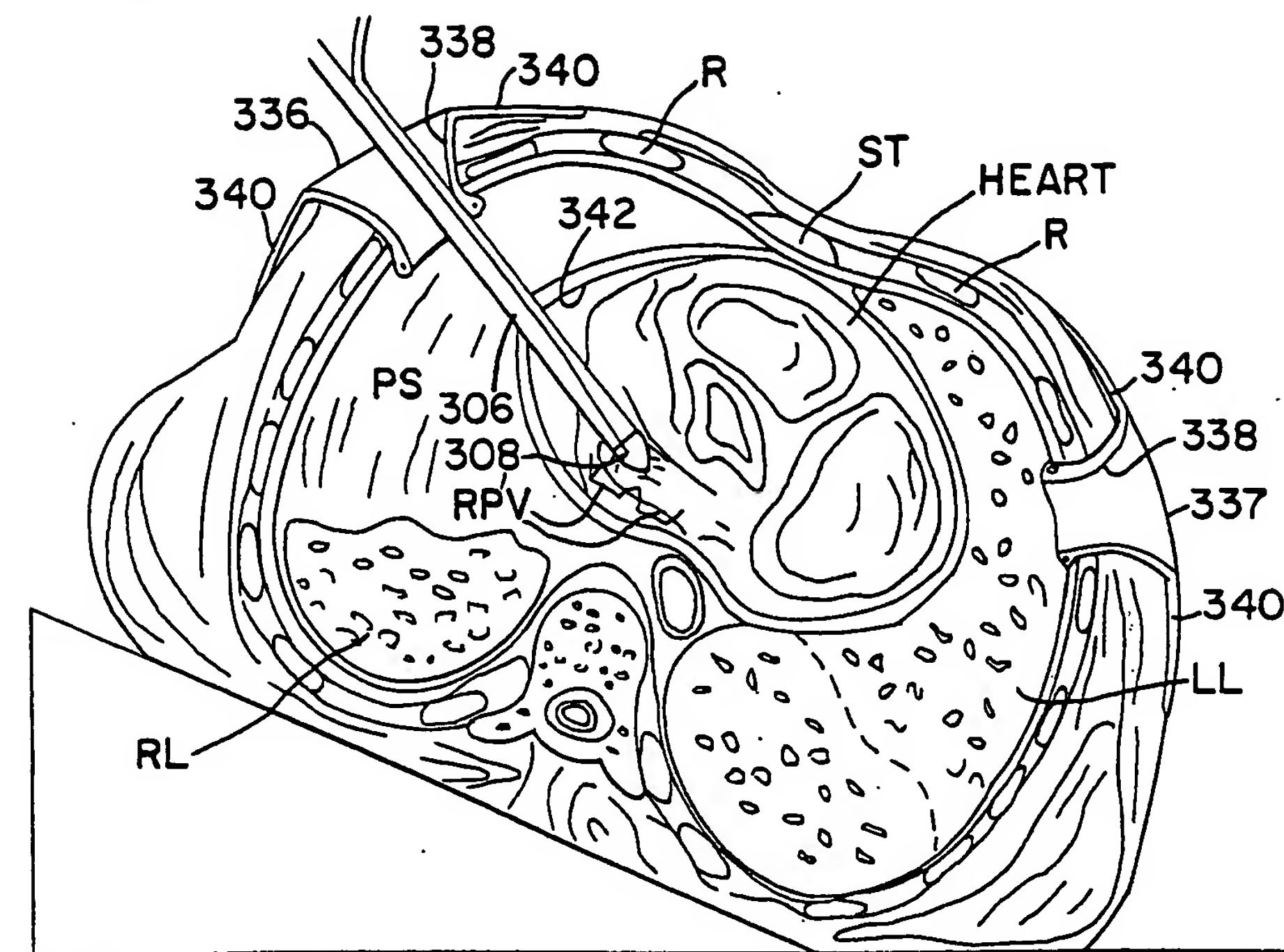




FIG. 82



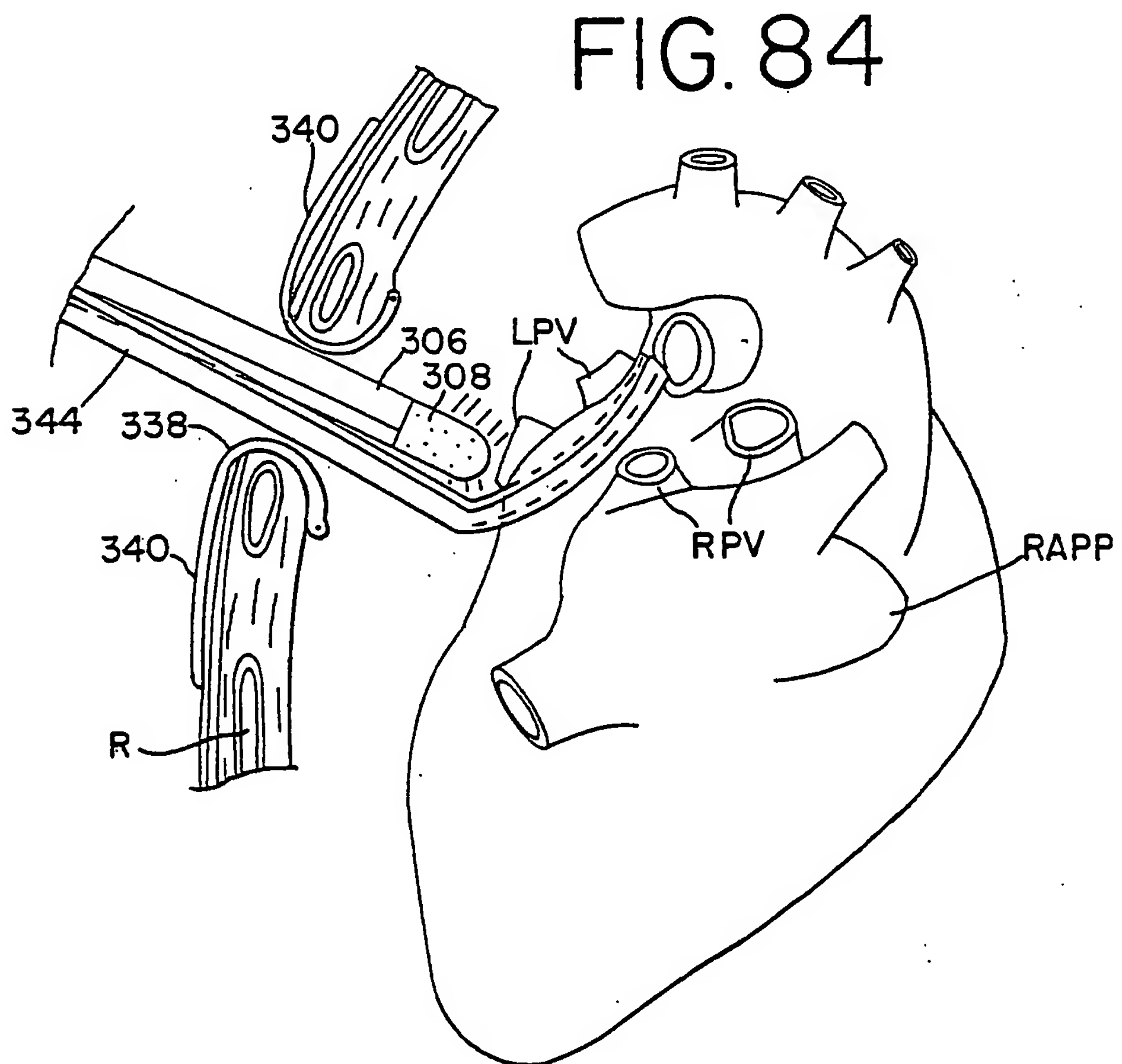
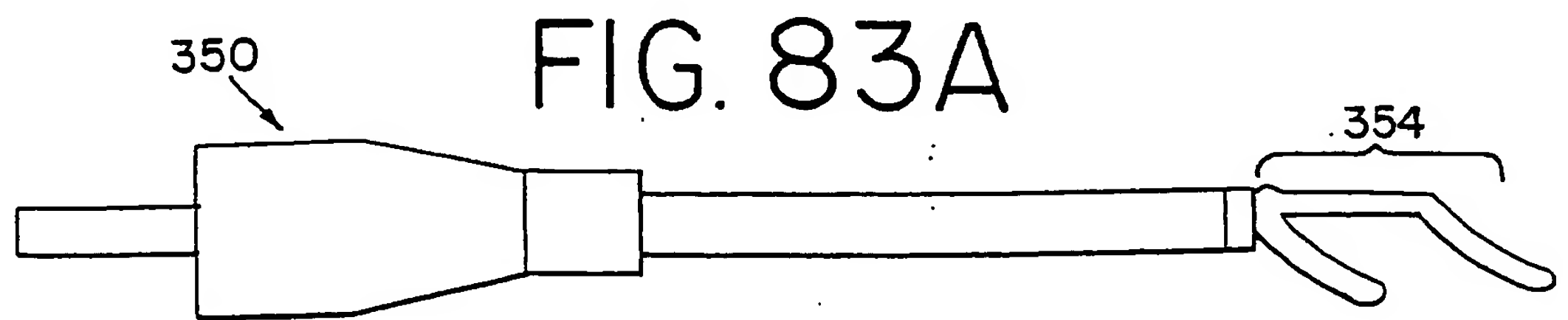
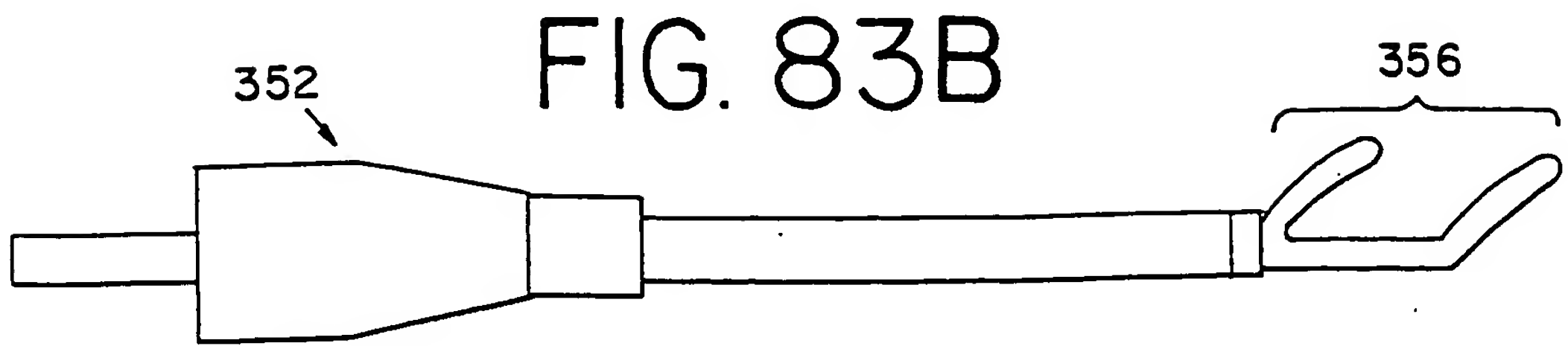




FIG. 85

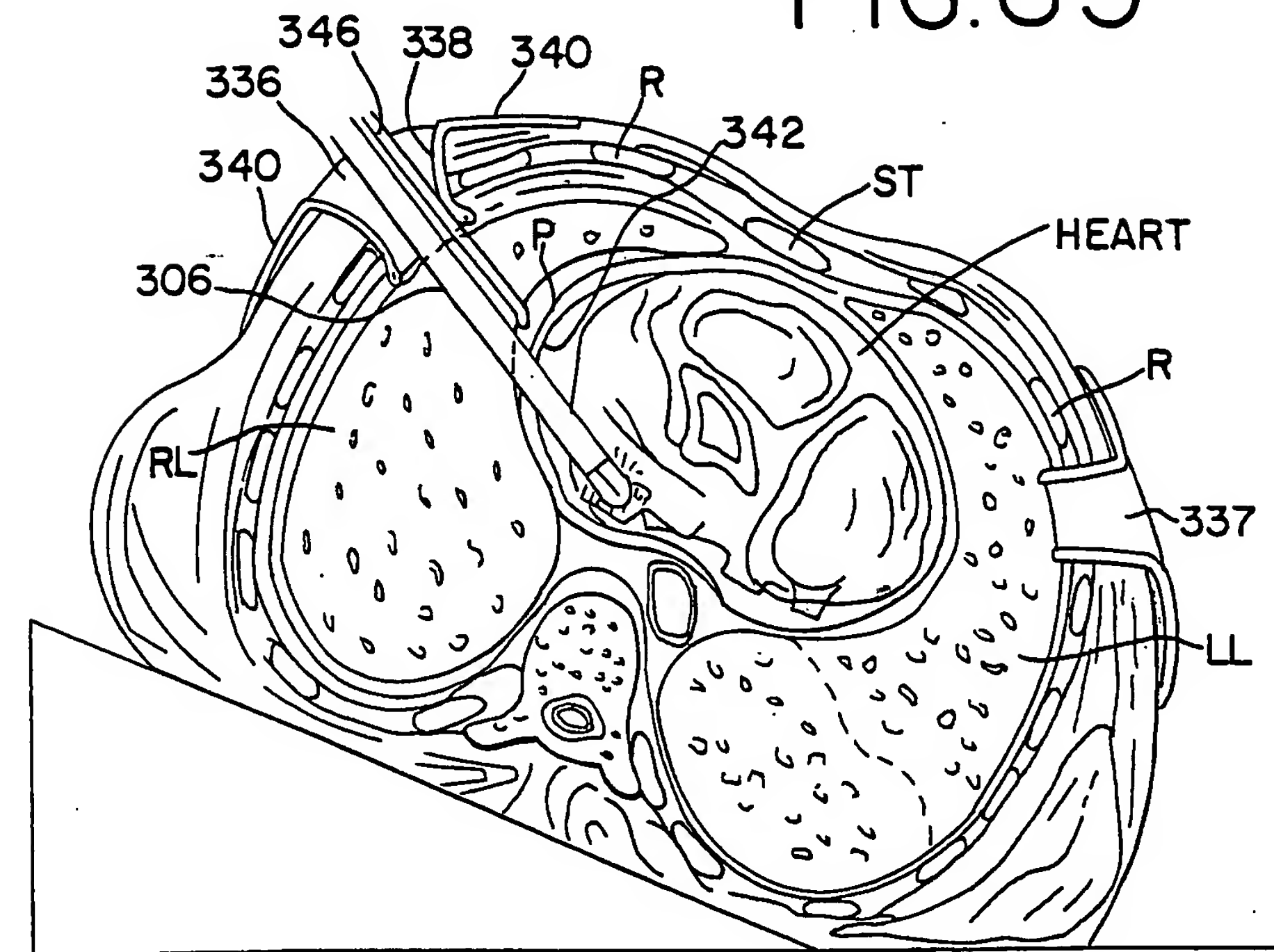


FIG. 86

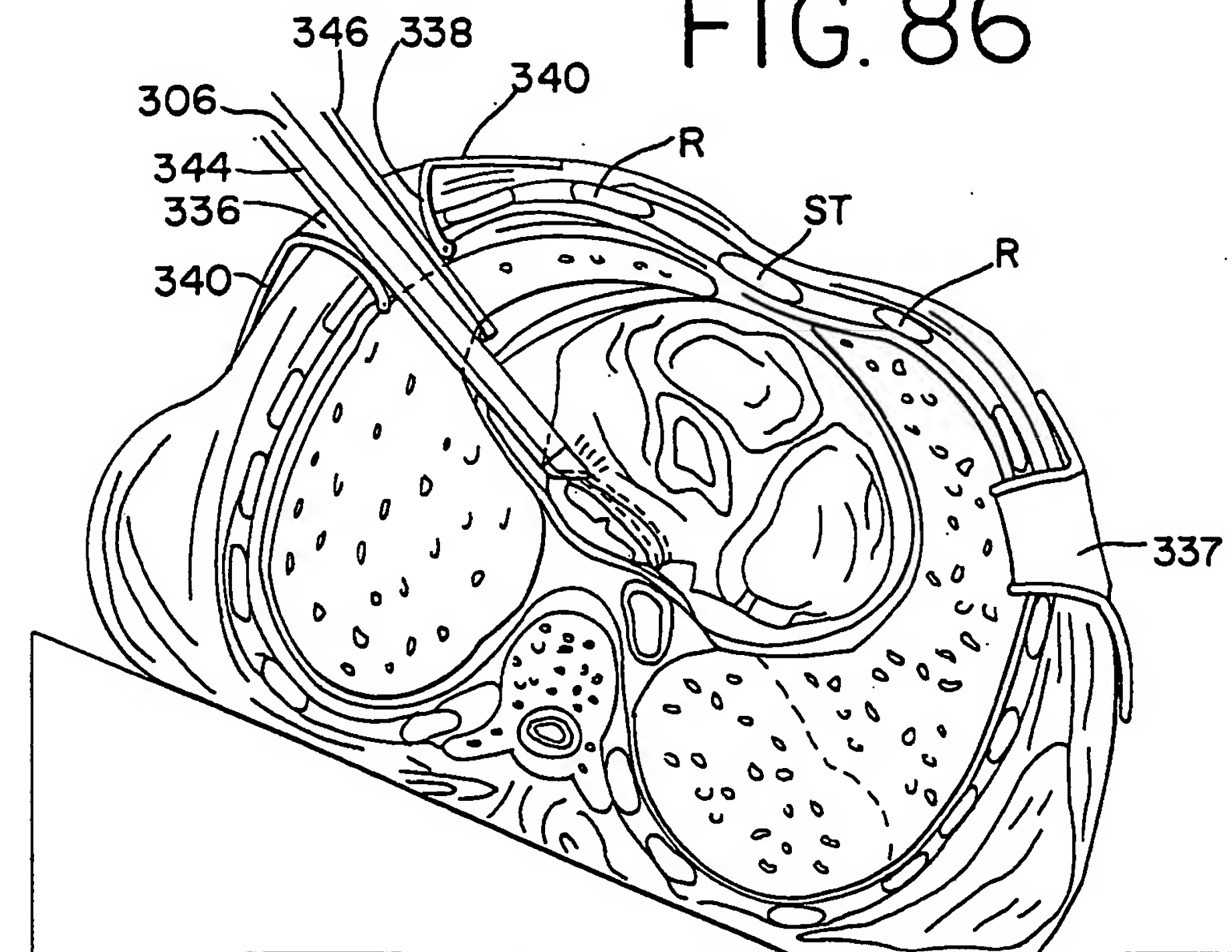




FIG. 87

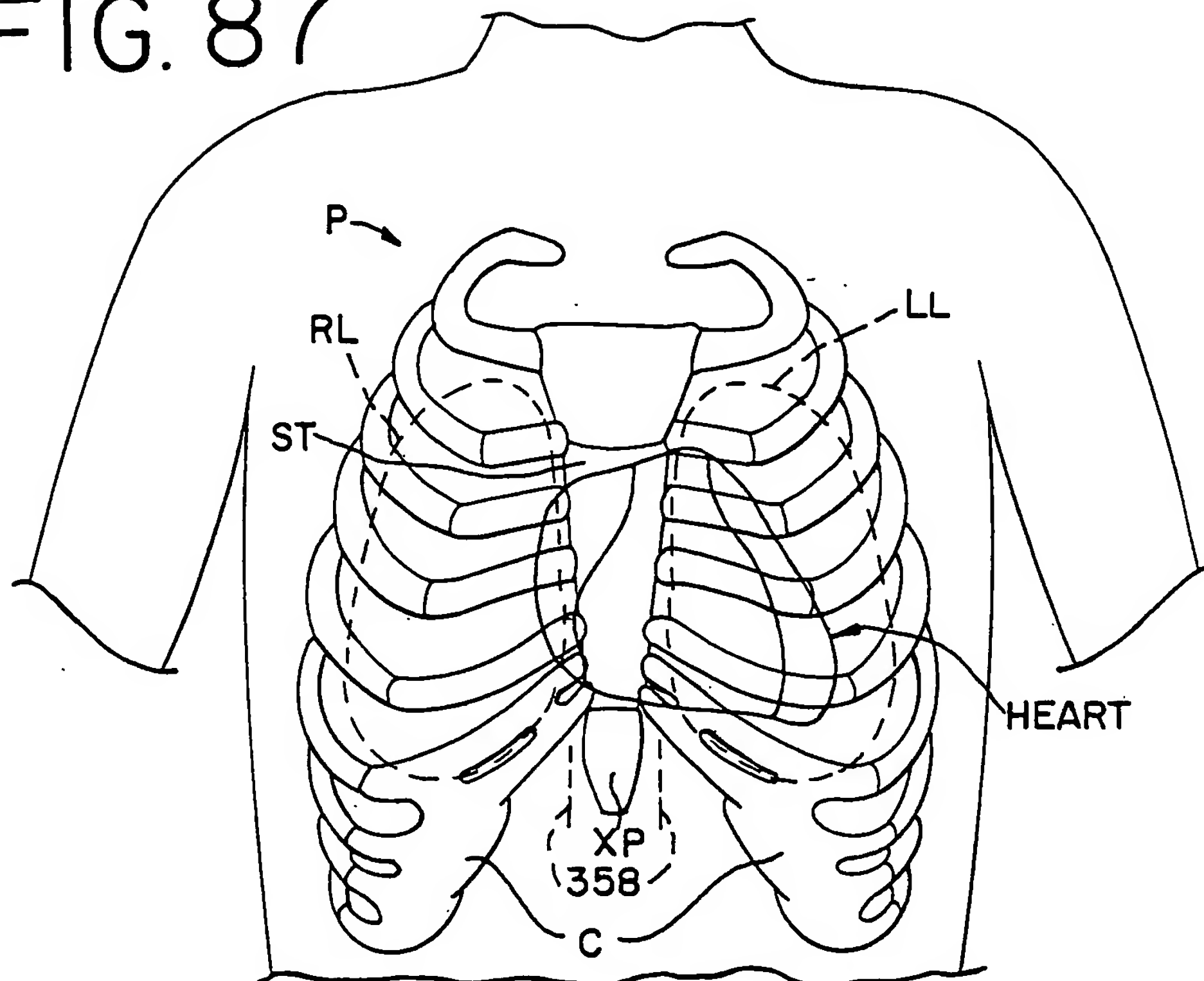


FIG. 88

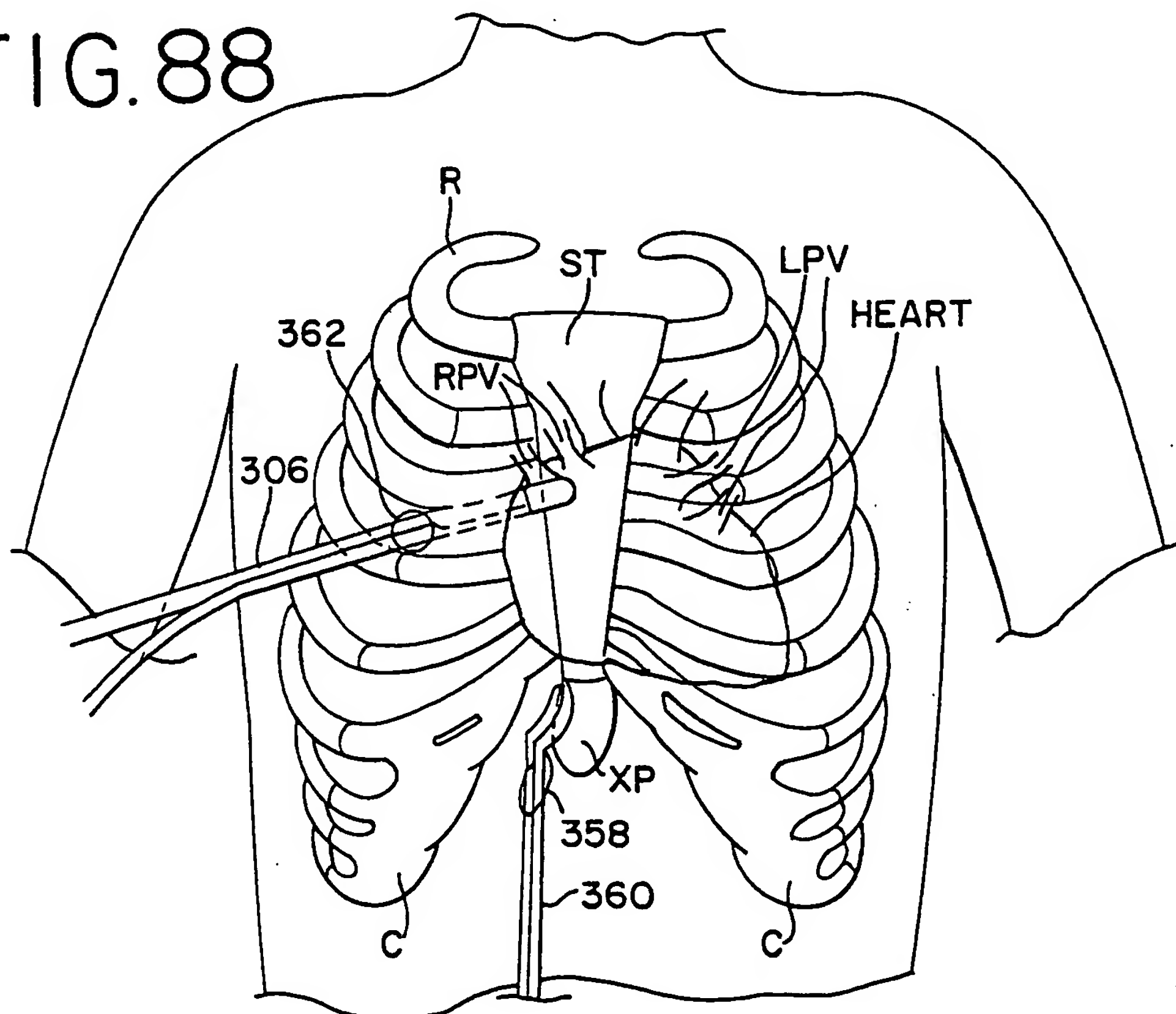




FIG. 89

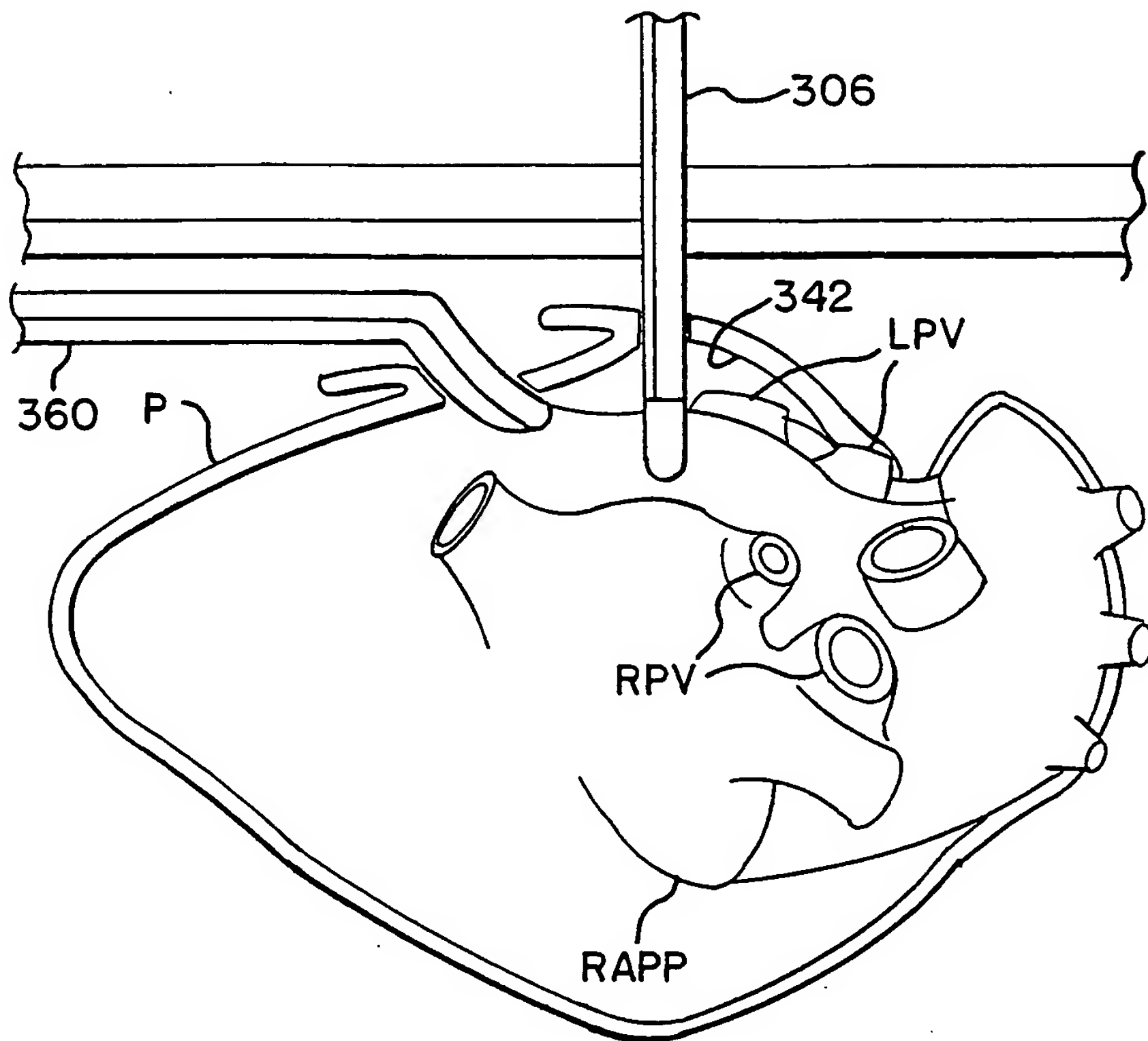




FIG. 90

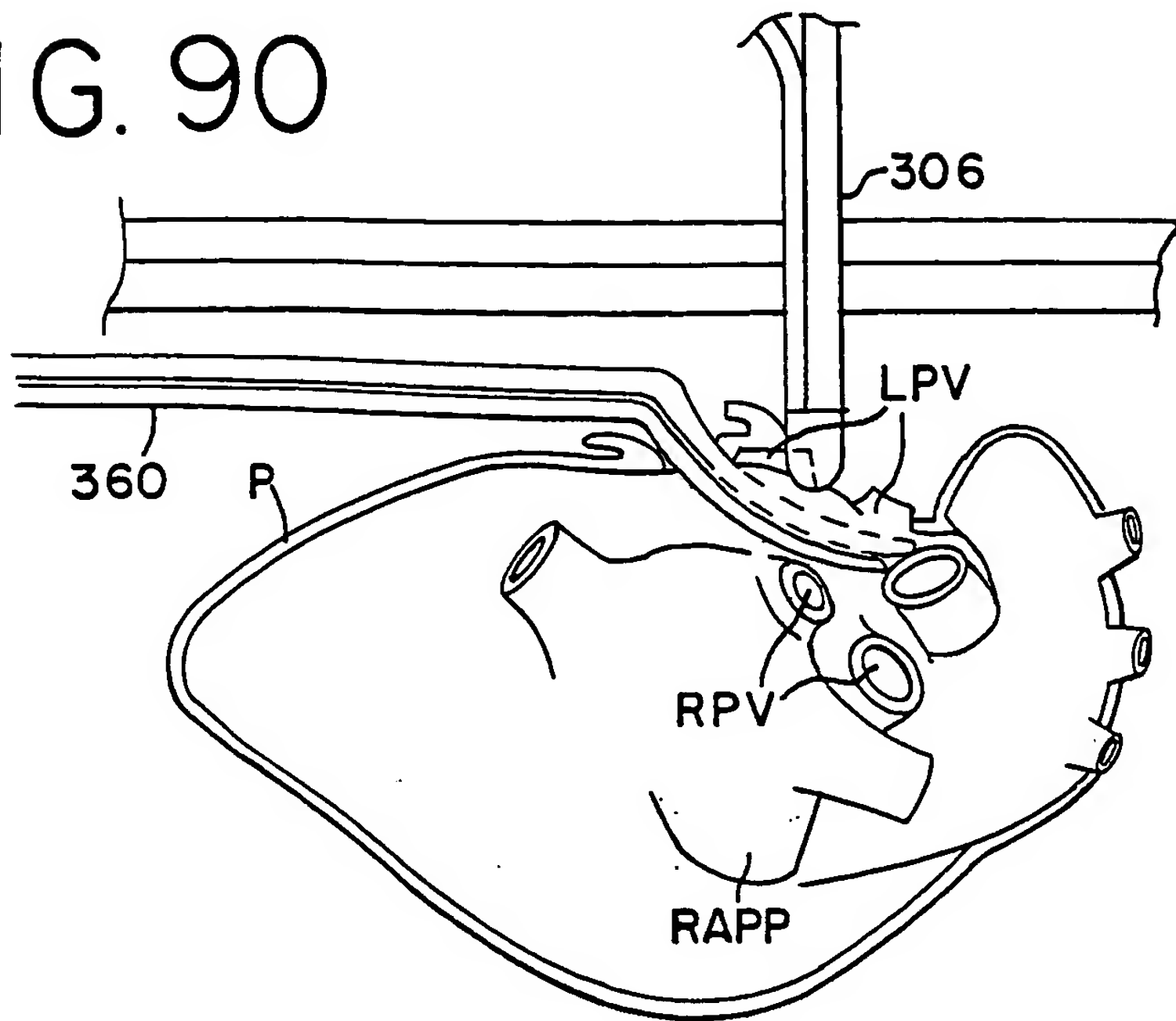


FIG. 91

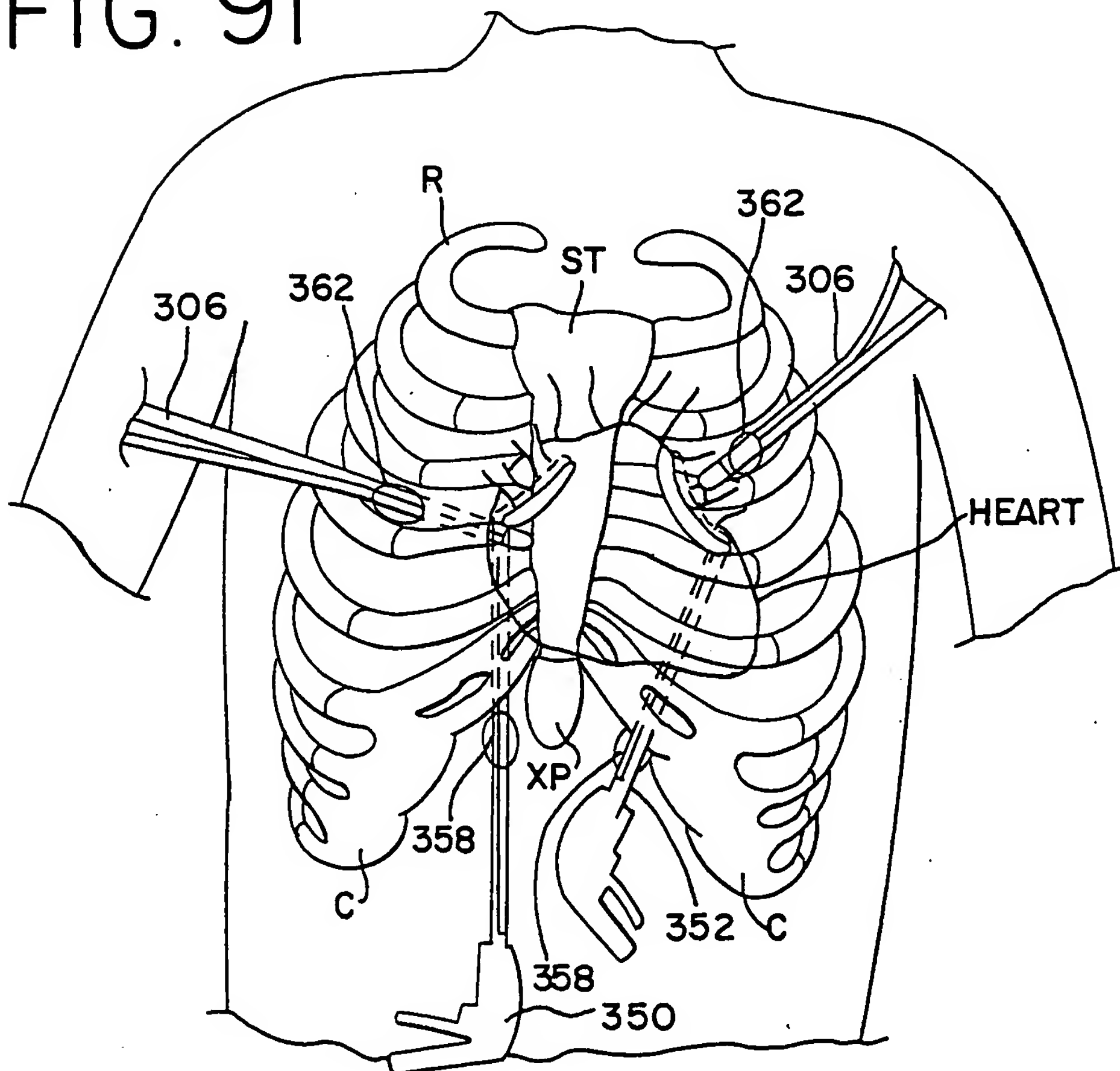




FIG. 92

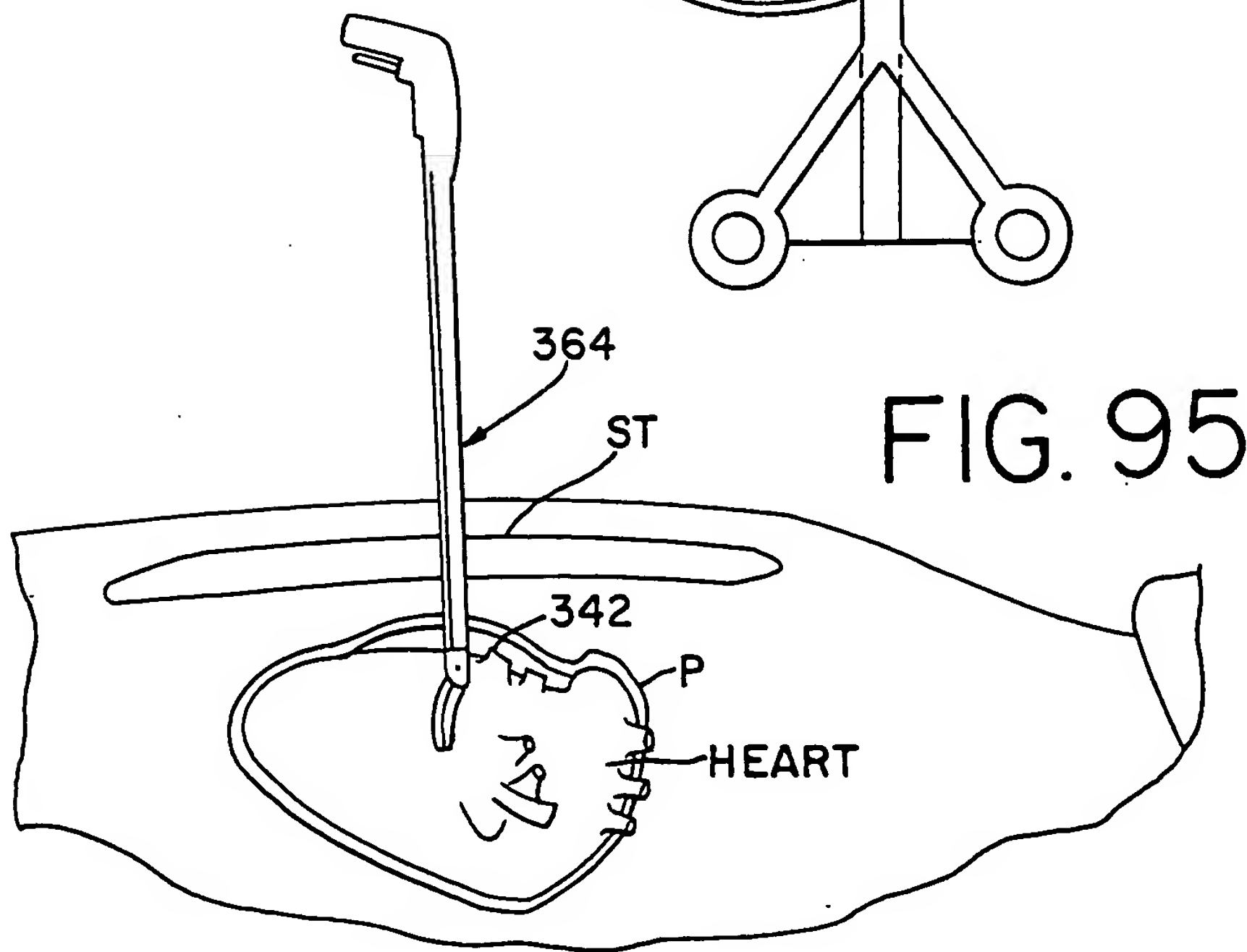
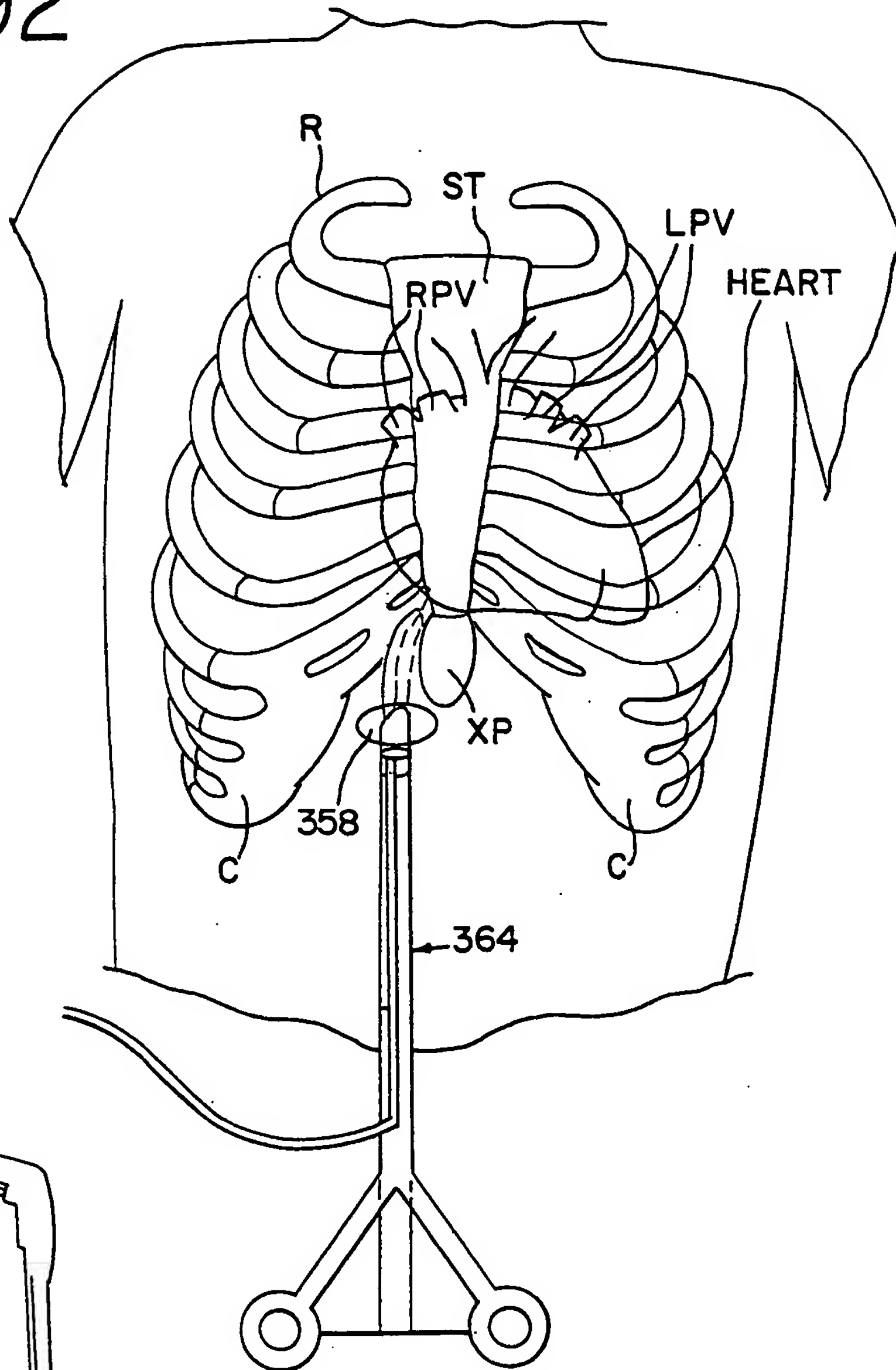




FIG.93

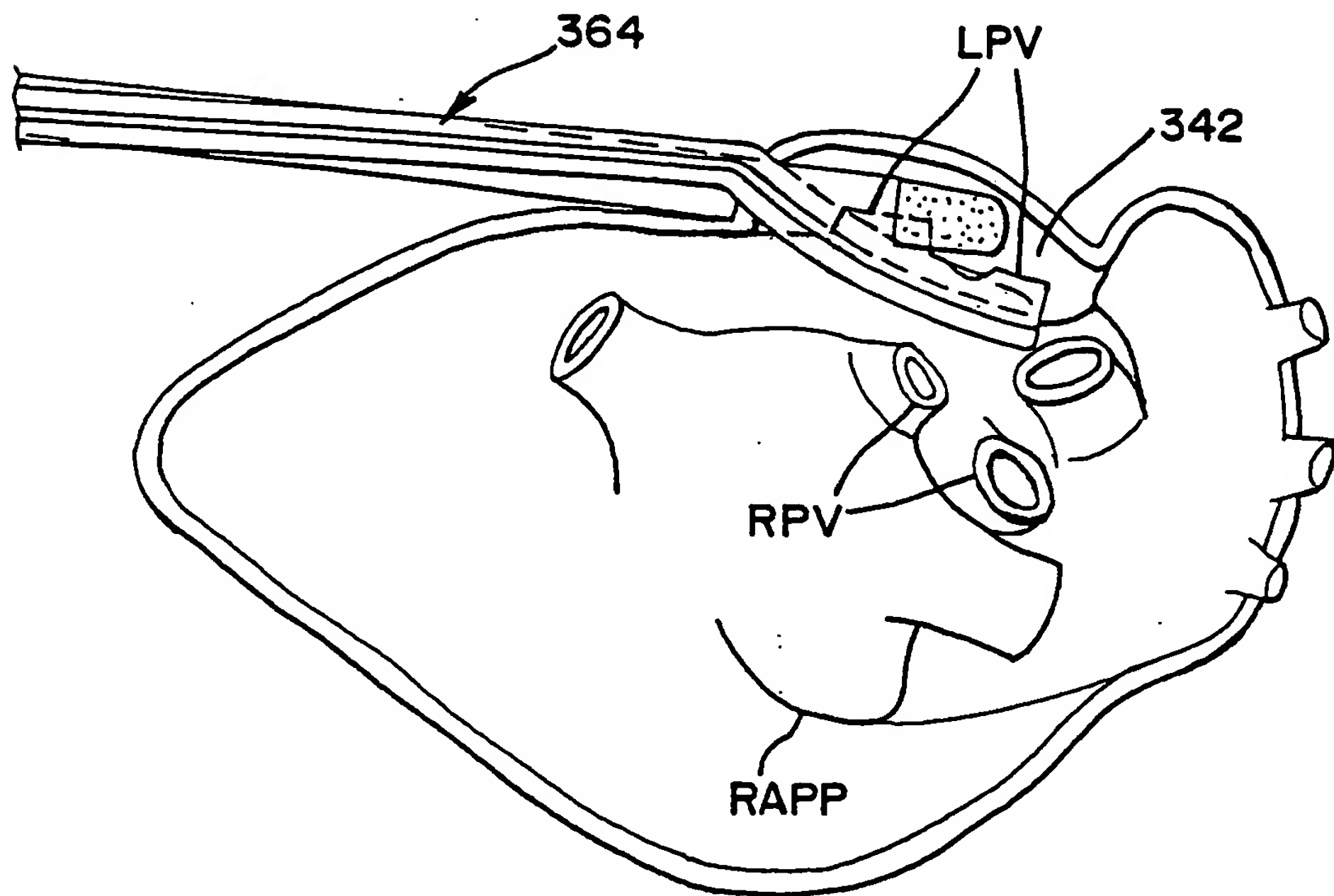


FIG.94

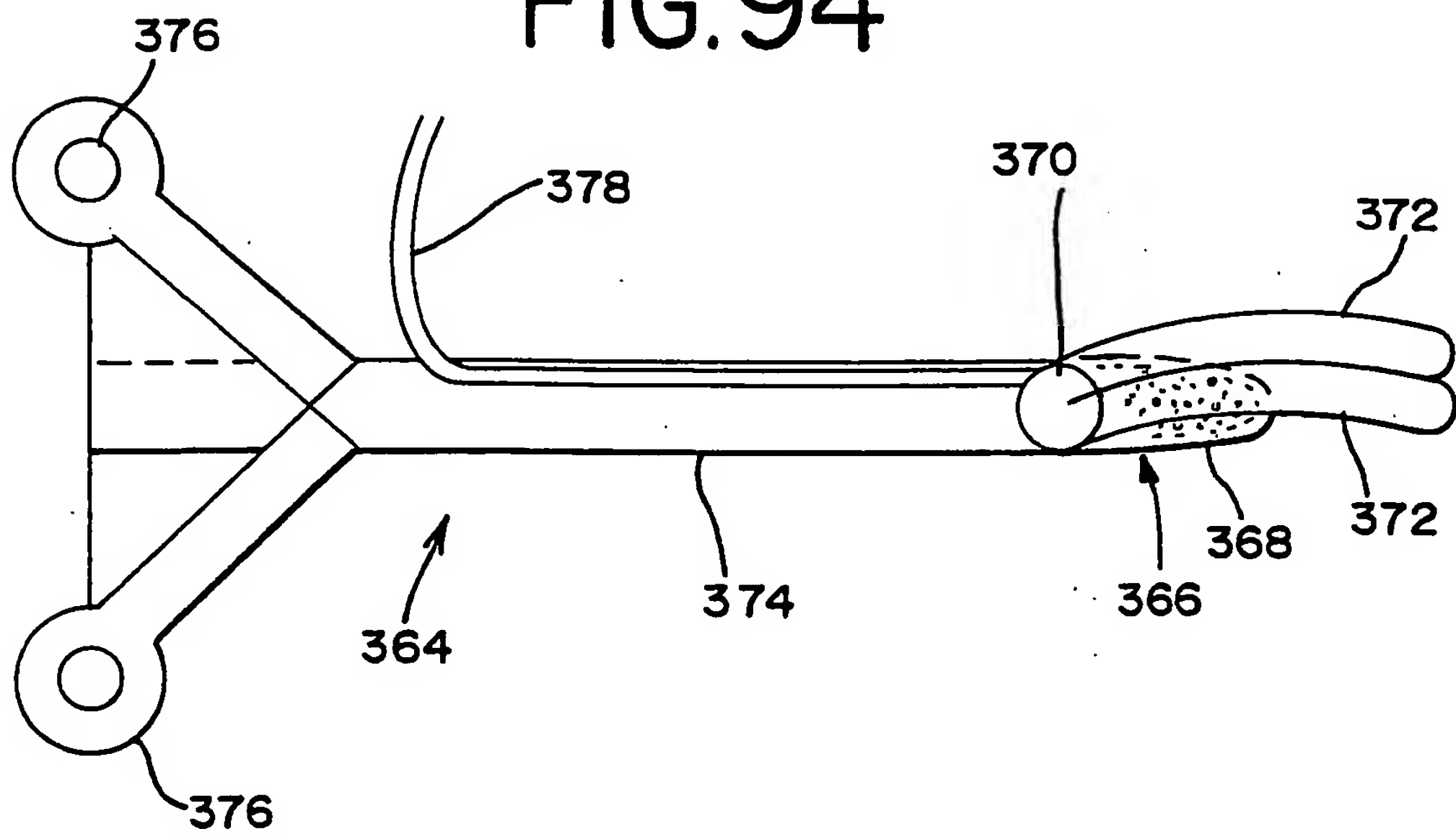




FIG. 96

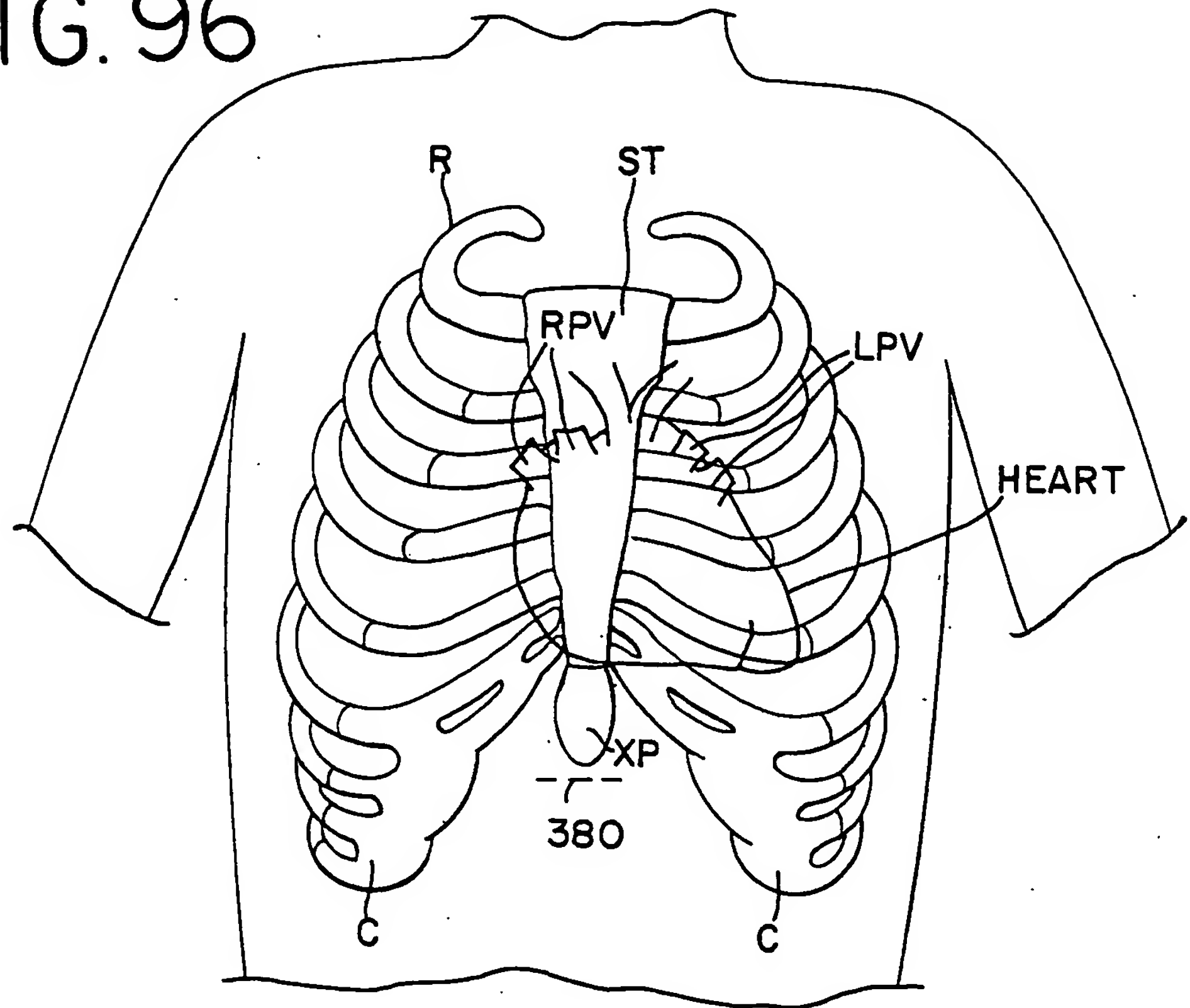


FIG. 97

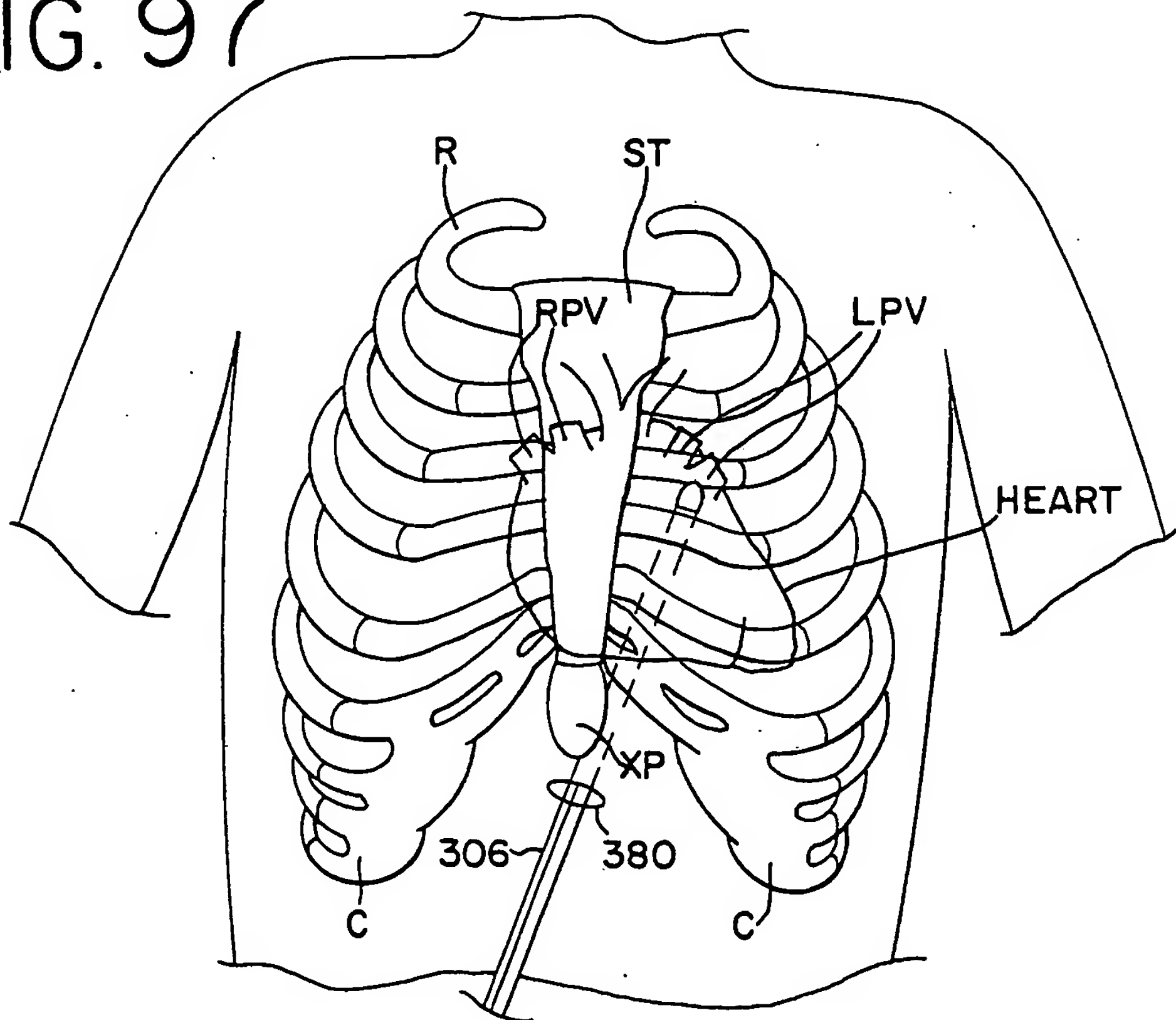




FIG. 98

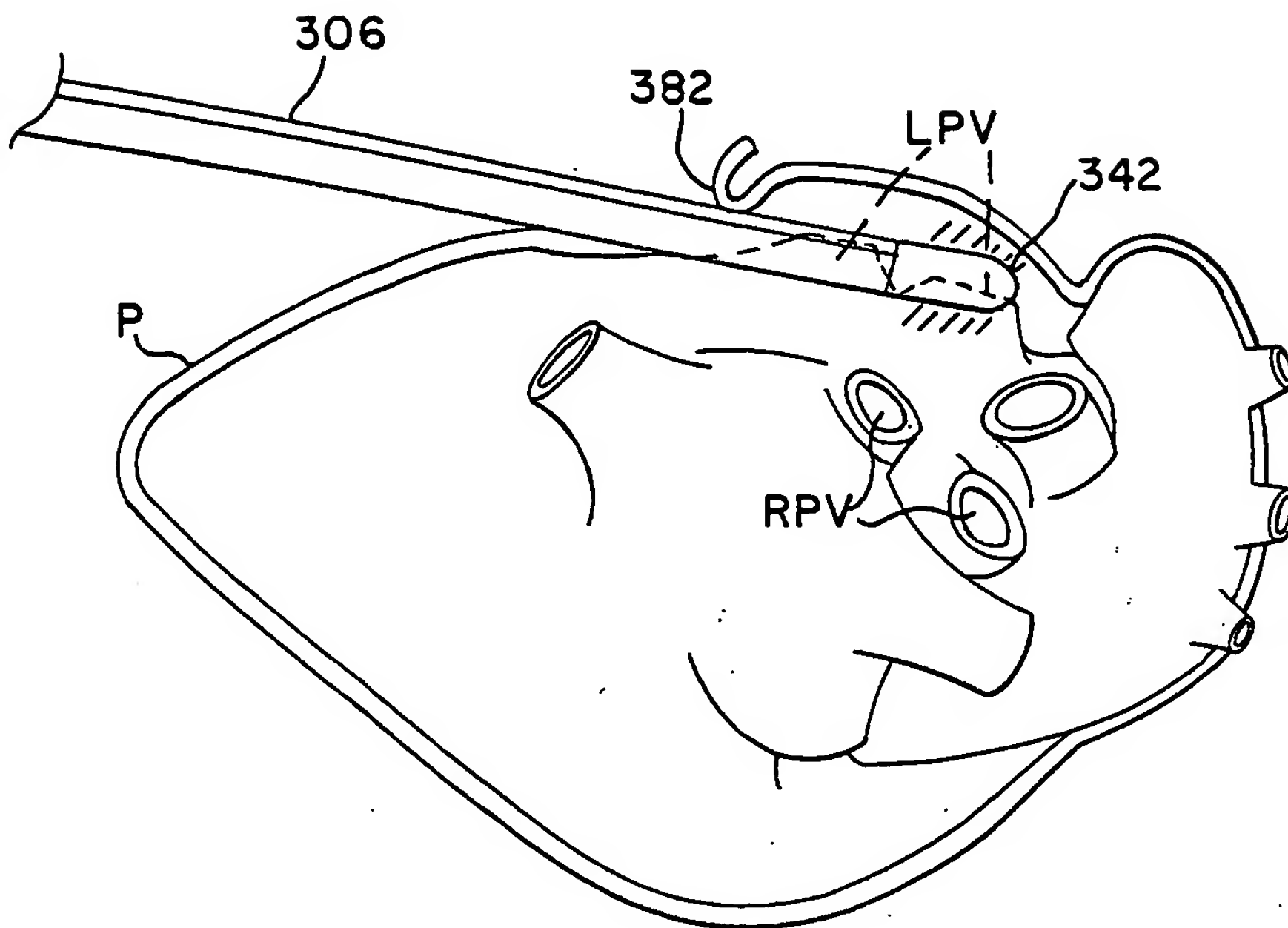


FIG. 99

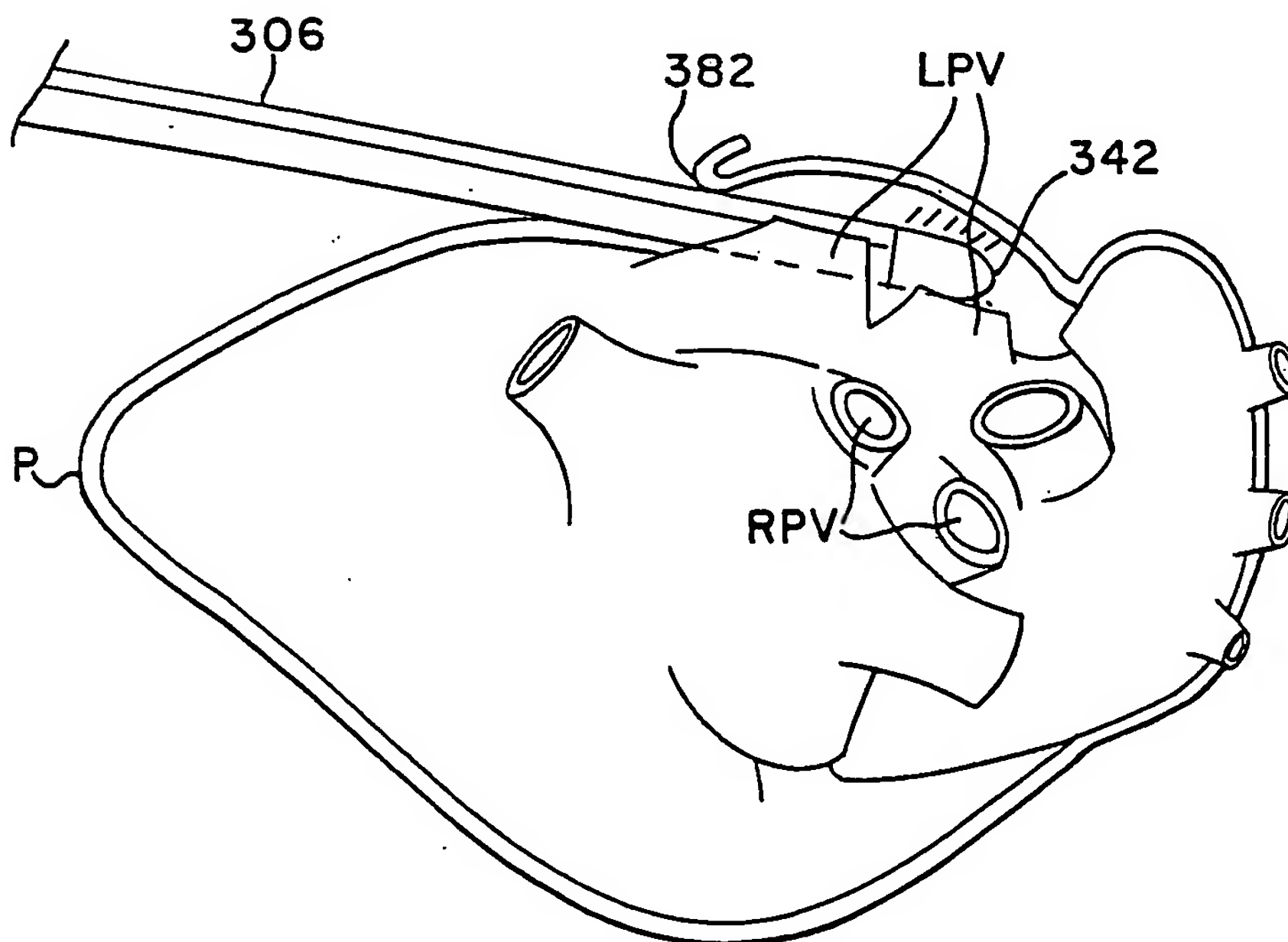




FIG. 100

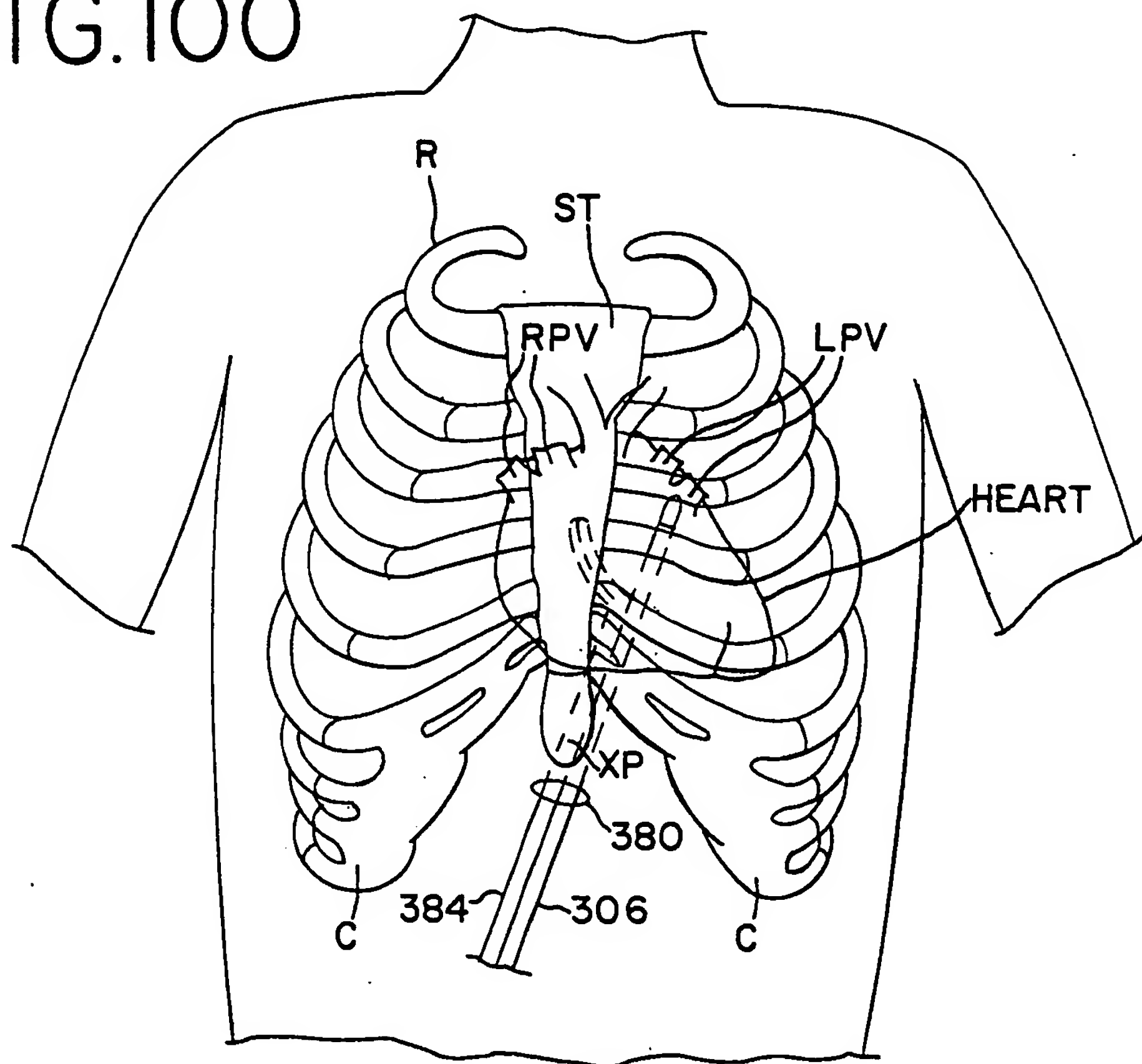


FIG. 101

